



## Client Gold Stock Holdings

HBEU

Client Account Name: AMUNDI PHYSICAL METALS PLC  
Gold Allocated A/C Holdings As Of C.O.B: 28 April 2020  
Total Allocated Bar Count: 3838  
Total Allocated Gross Weight: 1,552,099.875  
Total Allocated Fine Weight: 1,549,670.059

| BAR NUMBER | REFINER LONG NAME    | BAR GROSS WEIGHT | BAR FINE WEIGHT | BAR ASSAY | YEAR |
|------------|----------------------|------------------|-----------------|-----------|------|
| 001548     | ASAHI REF INC USA    | 387.000          | 385.103         | 0.9951    | 2015 |
| 001549     | ASAHI REF INC USA    | 408.250          | 406.249         | 0.9951    | 2015 |
| 001550     | ASAHI REF INC USA    | 370.700          | 368.883         | 0.9951    | 2015 |
| 001551     | ASAHI REF INC USA    | 372.100          | 370.276         | 0.9951    | 2015 |
| 001552     | ASAHI REF INC USA    | 410.900          | 408.845         | 0.9950    | 2015 |
| 001553     | ASAHI REF INC USA    | 387.225          | 385.288         | 0.9950    | 2015 |
| 001554     | ASAHI REF INC USA    | 405.625          | 403.596         | 0.9950    | 2015 |
| 001555     | ASAHI REF INC USA    | 379.525          | 377.627         | 0.9950    | 2015 |
| 001556     | ASAHI REF INC USA    | 384.350          | 382.428         | 0.9950    | 2015 |
| 001557     | ASAHI REF INC USA    | 384.750          | 382.826         | 0.9950    | 2015 |
| 001558     | ASAHI REF INC USA    | 409.300          | 407.253         | 0.9950    | 2015 |
| 003321     | ASAHI REF CANADA LTD | 411.075          | 410.170         | 0.9978    | 2015 |
| 010754     | ASAHI REF INC USA    | 412.275          | 411.656         | 0.9985    | 2016 |
| 010755     | ASAHI REF INC USA    | 403.725          | 403.119         | 0.9985    | 2016 |
| 010757     | ASAHI REF INC USA    | 404.525          | 403.918         | 0.9985    | 2016 |
| 010758     | ASAHI REF INC USA    | 407.350          | 406.739         | 0.9985    | 2016 |
| 010759     | ASAHI REF INC USA    | 421.275          | 420.643         | 0.9985    | 2016 |
| 010760     | ASAHI REF INC USA    | 398.150          | 397.552         | 0.9985    | 2016 |
| 010761     | ASAHI REF INC USA    | 422.625          | 422.033         | 0.9986    | 2016 |
| 010762     | ASAHI REF INC USA    | 410.300          | 409.725         | 0.9986    | 2016 |
| 010763     | ASAHI REF INC USA    | 416.300          | 415.717         | 0.9986    | 2016 |
| 010764     | ASAHI REF INC USA    | 404.350          | 403.784         | 0.9986    | 2016 |
| 010765     | ASAHI REF INC USA    | 404.125          | 403.559         | 0.9986    | 2016 |
| 010766     | ASAHI REF INC USA    | 421.150          | 420.560         | 0.9986    | 2016 |
| 010767     | ASAHI REF INC USA    | 412.825          | 412.247         | 0.9986    | 2016 |
| 010768     | ASAHI REF INC USA    | 411.975          | 411.439         | 0.9987    | 2016 |
| 010769     | ASAHI REF INC USA    | 415.475          | 414.934         | 0.9987    | 2016 |
| 010770     | ASAHI REF INC USA    | 399.350          | 398.830         | 0.9987    | 2016 |
| 010772     | ASAHI REF INC USA    | 397.250          | 396.733         | 0.9987    | 2016 |
| 010773     | ASAHI REF INC USA    | 370.225          | 369.743         | 0.9987    | 2016 |
| 010774     | ASAHI REF INC USA    | 413.700          | 413.162         | 0.9987    | 2016 |

|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 010775 | ASAHI REF INC USA    | 411.175 | 410.640 | 0.9987 | 2016 |
| 010798 | ASAHI REF INC USA    | 372.450 | 372.375 | 0.9998 | 2016 |
| 010800 | ASAHI REF INC USA    | 414.175 | 414.092 | 0.9998 | 2016 |
| 010801 | ASAHI REF INC USA    | 420.700 | 420.615 | 0.9998 | 2016 |
| 010802 | ASAHI REF INC USA    | 415.750 | 415.666 | 0.9998 | 2016 |
| 010803 | ASAHI REF INC USA    | 399.525 | 399.445 | 0.9998 | 2016 |
| 010804 | ASAHI REF INC USA    | 401.625 | 401.544 | 0.9998 | 2016 |
| 010805 | ASAHI REF INC USA    | 418.275 | 418.191 | 0.9998 | 2016 |
| 010806 | ASAHI REF INC USA    | 401.550 | 401.429 | 0.9997 | 2016 |
| 010807 | ASAHI REF INC USA    | 395.950 | 395.831 | 0.9997 | 2016 |
| 010808 | ASAHI REF INC USA    | 416.900 | 416.775 | 0.9997 | 2016 |
| 010809 | ASAHI REF INC USA    | 404.150 | 404.028 | 0.9997 | 2016 |
| 017719 | ASAHI REF CANADA LTD | 414.725 | 413.854 | 0.9979 | 2016 |
| 017720 | ASAHI REF CANADA LTD | 391.800 | 390.977 | 0.9979 | 2016 |
| 017721 | ASAHI REF CANADA LTD | 390.275 | 389.455 | 0.9979 | 2016 |
| 017722 | ASAHI REF CANADA LTD | 381.825 | 381.023 | 0.9979 | 2016 |
| 017723 | ASAHI REF CANADA LTD | 415.450 | 414.577 | 0.9979 | 2016 |
| 017724 | ASAHI REF CANADA LTD | 414.275 | 413.405 | 0.9979 | 2016 |
| 017725 | ASAHI REF CANADA LTD | 423.825 | 422.935 | 0.9979 | 2016 |
| 017726 | ASAHI REF CANADA LTD | 412.500 | 411.633 | 0.9979 | 2016 |
| 017727 | ASAHI REF CANADA LTD | 388.200 | 387.268 | 0.9976 | 2016 |
| 017728 | ASAHI REF CANADA LTD | 396.600 | 395.648 | 0.9976 | 2016 |
| 017729 | ASAHI REF CANADA LTD | 406.925 | 405.948 | 0.9976 | 2016 |
| 017730 | ASAHI REF CANADA LTD | 422.375 | 421.361 | 0.9976 | 2016 |
| 017731 | ASAHI REF CANADA LTD | 408.050 | 407.070 | 0.9976 | 2016 |
| 017732 | ASAHI REF CANADA LTD | 384.675 | 383.097 | 0.9959 | 2016 |
| 017733 | ASAHI REF CANADA LTD | 390.725 | 389.123 | 0.9959 | 2016 |
| 017734 | ASAHI REF CANADA LTD | 420.025 | 418.302 | 0.9959 | 2016 |
| 017735 | ASAHI REF CANADA LTD | 394.875 | 393.256 | 0.9959 | 2016 |
| 017736 | ASAHI REF CANADA LTD | 407.400 | 405.729 | 0.9959 | 2016 |
| 017944 | ASAHI REF CANADA LTD | 409.850 | 409.768 | 0.9998 | 2016 |
| 017945 | ASAHI REF CANADA LTD | 402.825 | 402.744 | 0.9998 | 2016 |
| 017946 | ASAHI REF CANADA LTD | 390.025 | 389.947 | 0.9998 | 2016 |
| 018487 | ASAHI REF CANADA LTD | 390.225 | 389.132 | 0.9972 | 2016 |
| 018488 | ASAHI REF CANADA LTD | 407.950 | 406.807 | 0.9972 | 2016 |
| 018489 | ASAHI REF CANADA LTD | 394.650 | 392.992 | 0.9958 | 2016 |
| 018490 | ASAHI REF CANADA LTD | 413.350 | 411.614 | 0.9958 | 2016 |
| 018491 | ASAHI REF CANADA LTD | 396.725 | 395.058 | 0.9958 | 2016 |
| 018492 | ASAHI REF CANADA LTD | 409.275 | 407.556 | 0.9958 | 2016 |
| 018493 | ASAHI REF CANADA LTD | 419.800 | 417.994 | 0.9957 | 2016 |
| 018494 | ASAHI REF CANADA LTD | 404.000 | 402.262 | 0.9957 | 2016 |
| 018495 | ASAHI REF CANADA LTD | 402.175 | 400.445 | 0.9957 | 2016 |
| 018496 | ASAHI REF CANADA LTD | 421.300 | 419.488 | 0.9957 | 2016 |
| 018519 | PRIOKSKY             | 385.425 | 385.386 | 0.9999 | 2020 |
| 018521 | PRIOKSKY             | 384.325 | 384.286 | 0.9999 | 2020 |
| 018531 | PRIOKSKY             | 385.325 | 385.286 | 0.9999 | 2020 |
| 018547 | PRIOKSKY             | 384.525 | 384.486 | 0.9999 | 2020 |
| 018677 | ASAHI REF CANADA LTD | 408.775 | 408.693 | 0.9998 | 2016 |
| 018678 | ASAHI REF CANADA LTD | 423.325 | 423.240 | 0.9998 | 2016 |
| 018679 | ASAHI REF CANADA LTD | 424.325 | 424.240 | 0.9998 | 2016 |

|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 018680 | ASAHI REF CANADA LTD | 421.375 | 421.290 | 0.9998 | 2016 |
| 018681 | ASAHI REF CANADA LTD | 418.600 | 418.516 | 0.9998 | 2016 |
| 018682 | ASAHI REF CANADA LTD | 424.800 | 424.715 | 0.9998 | 2016 |
| 021162 | ASAHI REF INC USA    | 406.750 | 406.099 | 0.9984 | 2017 |
| 021163 | ASAHI REF INC USA    | 417.350 | 416.682 | 0.9984 | 2017 |
| 021164 | ASAHI REF INC USA    | 419.325 | 418.654 | 0.9984 | 2017 |
| 021165 | ASAHI REF INC USA    | 421.125 | 420.451 | 0.9984 | 2017 |
| 021166 | ASAHI REF INC USA    | 406.450 | 405.799 | 0.9984 | 2017 |
| 021167 | ASAHI REF INC USA    | 413.800 | 413.138 | 0.9984 | 2017 |
| 021168 | ASAHI REF INC USA    | 414.100 | 413.437 | 0.9984 | 2017 |
| 021169 | ASAHI REF INC USA    | 401.275 | 400.472 | 0.9980 | 2017 |
| 021170 | ASAHI REF INC USA    | 408.325 | 407.508 | 0.9980 | 2017 |
| 021172 | ASAHI REF INC USA    | 413.900 | 413.072 | 0.9980 | 2017 |
| 021173 | ASAHI REF INC USA    | 412.050 | 411.226 | 0.9980 | 2017 |
| 021174 | ASAHI REF INC USA    | 403.325 | 402.518 | 0.9980 | 2017 |
| 021175 | ASAHI REF INC USA    | 418.675 | 417.837 | 0.9980 | 2017 |
| 021176 | ASAHI REF INC USA    | 410.575 | 409.753 | 0.9980 | 2017 |
| 021177 | ASAHI REF INC USA    | 392.675 | 391.929 | 0.9981 | 2017 |
| 021178 | ASAHI REF INC USA    | 414.900 | 414.111 | 0.9981 | 2017 |
| 021179 | ASAHI REF INC USA    | 412.200 | 411.416 | 0.9981 | 2017 |
| 021180 | ASAHI REF INC USA    | 413.200 | 412.415 | 0.9981 | 2017 |
| 021181 | ASAHI REF INC USA    | 425.525 | 424.716 | 0.9981 | 2017 |
| 021182 | ASAHI REF INC USA    | 416.050 | 415.259 | 0.9981 | 2017 |
| 021183 | ASAHI REF INC USA    | 411.525 | 410.743 | 0.9981 | 2017 |
| 021184 | ASAHI REF INC USA    | 417.000 | 416.041 | 0.9977 | 2017 |
| 021185 | ASAHI REF INC USA    | 410.550 | 409.605 | 0.9977 | 2017 |
| 021186 | ASAHI REF INC USA    | 406.225 | 405.290 | 0.9977 | 2017 |
| 021187 | ASAHI REF INC USA    | 417.500 | 416.539 | 0.9977 | 2017 |
| 021188 | ASAHI REF INC USA    | 411.200 | 410.254 | 0.9977 | 2017 |
| 021189 | ASAHI REF INC USA    | 395.700 | 394.789 | 0.9977 | 2017 |
| 021190 | ASAHI REF INC USA    | 422.425 | 421.453 | 0.9977 | 2017 |
| 021191 | ASAHI REF INC USA    | 409.475 | 408.615 | 0.9979 | 2017 |
| 021192 | ASAHI REF INC USA    | 410.650 | 409.787 | 0.9979 | 2017 |
| 021193 | ASAHI REF INC USA    | 423.950 | 423.059 | 0.9979 | 2017 |
| 021195 | ASAHI REF INC USA    | 411.225 | 410.361 | 0.9979 | 2017 |
| 021196 | ASAHI REF INC USA    | 414.100 | 413.230 | 0.9979 | 2017 |
| 021197 | ASAHI REF INC USA    | 412.225 | 411.359 | 0.9979 | 2017 |
| 021198 | ASAHI REF INC USA    | 417.100 | 416.224 | 0.9979 | 2017 |
| 021199 | ASAHI REF INC USA    | 409.950 | 409.089 | 0.9979 | 2017 |
| 021200 | ASAHI REF INC USA    | 401.100 | 400.257 | 0.9979 | 2017 |
| 021201 | ASAHI REF INC USA    | 402.650 | 401.804 | 0.9979 | 2017 |
| 021202 | ASAHI REF INC USA    | 405.825 | 404.972 | 0.9979 | 2017 |
| 021203 | ASAHI REF INC USA    | 407.050 | 406.195 | 0.9979 | 2017 |
| 021204 | ASAHI REF INC USA    | 412.400 | 411.534 | 0.9979 | 2017 |
| 021205 | ASAHI REF INC USA    | 401.575 | 400.691 | 0.9978 | 2017 |
| 021206 | ASAHI REF INC USA    | 407.650 | 406.753 | 0.9978 | 2017 |
| 021207 | ASAHI REF INC USA    | 411.050 | 410.145 | 0.9978 | 2017 |
| 021210 | ASAHI REF INC USA    | 415.325 | 414.411 | 0.9978 | 2017 |
| 021211 | ASAHI REF INC USA    | 414.625 | 413.712 | 0.9978 | 2017 |
| 021212 | ASAHI REF INC USA    | 395.400 | 394.451 | 0.9976 | 2017 |

|        |                   |         |         |        |      |
|--------|-------------------|---------|---------|--------|------|
| 021213 | ASAHI REF INC USA | 404.600 | 403.629 | 0.9976 | 2017 |
| 021215 | ASAHI REF INC USA | 400.100 | 399.139 | 0.9976 | 2017 |
| 021216 | ASAHI REF INC USA | 394.175 | 393.229 | 0.9976 | 2017 |
| 021217 | ASAHI REF INC USA | 423.275 | 422.259 | 0.9976 | 2017 |
| 021218 | ASAHI REF INC USA | 399.725 | 398.765 | 0.9976 | 2017 |
| 021219 | ASAHI REF INC USA | 396.050 | 395.099 | 0.9976 | 2017 |
| 021220 | ASAHI REF INC USA | 413.450 | 412.457 | 0.9976 | 2017 |
| 021221 | ASAHI REF INC USA | 417.675 | 416.672 | 0.9976 | 2017 |
| 021223 | ASAHI REF INC USA | 400.700 | 399.738 | 0.9976 | 2017 |
| 021224 | ASAHI REF INC USA | 414.400 | 413.405 | 0.9976 | 2017 |
| 021225 | ASAHI REF INC USA | 416.400 | 415.400 | 0.9976 | 2017 |
| 021226 | ASAHI REF INC USA | 412.325 | 411.335 | 0.9976 | 2017 |
| 021227 | ASAHI REF INC USA | 395.325 | 394.376 | 0.9976 | 2017 |
| 021228 | ASAHI REF INC USA | 403.450 | 402.602 | 0.9979 | 2017 |
| 021229 | ASAHI REF INC USA | 408.800 | 407.941 | 0.9979 | 2017 |
| 021230 | ASAHI REF INC USA | 406.950 | 406.095 | 0.9979 | 2017 |
| 021231 | ASAHI REF INC USA | 400.600 | 399.758 | 0.9979 | 2017 |
| 021232 | ASAHI REF INC USA | 408.625 | 407.766 | 0.9979 | 2017 |
| 021233 | ASAHI REF INC USA | 410.600 | 409.737 | 0.9979 | 2017 |
| 021234 | ASAHI REF INC USA | 395.850 | 395.018 | 0.9979 | 2017 |
| 021235 | ASAHI REF INC USA | 417.450 | 416.573 | 0.9979 | 2017 |
| 021236 | ASAHI REF INC USA | 408.300 | 407.442 | 0.9979 | 2017 |
| 021237 | ASAHI REF INC USA | 409.550 | 408.690 | 0.9979 | 2017 |
| 021238 | ASAHI REF INC USA | 402.850 | 402.004 | 0.9979 | 2017 |
| 021239 | ASAHI REF INC USA | 411.425 | 410.561 | 0.9979 | 2017 |
| 021240 | ASAHI REF INC USA | 396.950 | 396.116 | 0.9979 | 2017 |
| 021241 | ASAHI REF INC USA | 410.725 | 409.862 | 0.9979 | 2017 |
| 021242 | ASAHI REF INC USA | 412.275 | 411.533 | 0.9982 | 2017 |
| 021243 | ASAHI REF INC USA | 416.900 | 416.149 | 0.9982 | 2017 |
| 021244 | ASAHI REF INC USA | 410.925 | 410.185 | 0.9982 | 2017 |
| 021245 | ASAHI REF INC USA | 400.825 | 400.103 | 0.9982 | 2017 |
| 021846 | ASAHI REF INC USA | 396.575 | 395.781 | 0.9980 | 2017 |
| 021847 | ASAHI REF INC USA | 393.825 | 392.998 | 0.9979 | 2017 |
| 021848 | ASAHI REF INC USA | 392.525 | 391.700 | 0.9979 | 2017 |
| 021849 | ASAHI REF INC USA | 406.225 | 405.372 | 0.9979 | 2017 |
| 021850 | ASAHI REF INC USA | 396.900 | 396.066 | 0.9979 | 2017 |
| 021851 | ASAHI REF INC USA | 380.375 | 379.576 | 0.9979 | 2017 |
| 021852 | ASAHI REF INC USA | 412.350 | 411.484 | 0.9979 | 2017 |
| 021853 | ASAHI REF INC USA | 409.575 | 408.714 | 0.9979 | 2017 |
| 021854 | ASAHI REF INC USA | 384.050 | 383.243 | 0.9979 | 2017 |
| 021855 | ASAHI REF INC USA | 389.600 | 388.820 | 0.9980 | 2017 |
| 021857 | ASAHI REF INC USA | 411.175 | 410.352 | 0.9980 | 2017 |
| 021858 | ASAHI REF INC USA | 398.150 | 397.353 | 0.9980 | 2017 |
| 021859 | ASAHI REF INC USA | 405.400 | 404.589 | 0.9980 | 2017 |
| 021860 | ASAHI REF INC USA | 397.850 | 397.054 | 0.9980 | 2017 |
| 023124 | ASAHI REF INC USA | 401.625 | 400.982 | 0.9984 | 2017 |
| 024932 | ASAHI REF INC USA | 393.125 | 392.771 | 0.9991 | 2017 |
| 024933 | ASAHI REF INC USA | 423.600 | 423.218 | 0.9991 | 2017 |
| 024934 | ASAHI REF INC USA | 397.525 | 397.167 | 0.9991 | 2017 |
| 024935 | ASAHI REF INC USA | 415.100 | 414.726 | 0.9991 | 2017 |

|        |                   |         |         |        |      |
|--------|-------------------|---------|---------|--------|------|
| 024936 | ASAHI REF INC USA | 409.475 | 409.106 | 0.9991 | 2017 |
| 024937 | ASAHI REF INC USA | 390.925 | 390.534 | 0.9990 | 2017 |
| 024938 | ASAHI REF INC USA | 370.025 | 369.655 | 0.9990 | 2017 |
| 024939 | ASAHI REF INC USA | 396.450 | 396.053 | 0.9990 | 2017 |
| 024940 | ASAHI REF INC USA | 397.925 | 397.527 | 0.9990 | 2017 |
| 024941 | ASAHI REF INC USA | 378.175 | 377.796 | 0.9990 | 2017 |
| 024942 | ASAHI REF INC USA | 395.925 | 395.529 | 0.9990 | 2017 |
| 024943 | ASAHI REF INC USA | 401.525 | 401.083 | 0.9989 | 2017 |
| 024944 | ASAHI REF INC USA | 388.450 | 388.022 | 0.9989 | 2017 |
| 024945 | ASAHI REF INC USA | 404.900 | 404.454 | 0.9989 | 2017 |
| 024946 | ASAHI REF INC USA | 400.450 | 400.009 | 0.9989 | 2017 |
| 024947 | ASAHI REF INC USA | 374.200 | 373.788 | 0.9989 | 2017 |
| 024948 | ASAHI REF INC USA | 408.800 | 408.350 | 0.9989 | 2017 |
| 024949 | ASAHI REF INC USA | 397.800 | 397.362 | 0.9989 | 2017 |
| 024950 | ASAHI REF INC USA | 425.575 | 425.149 | 0.9990 | 2017 |
| 024952 | ASAHI REF INC USA | 394.950 | 394.555 | 0.9990 | 2017 |
| 024953 | ASAHI REF INC USA | 408.500 | 408.091 | 0.9990 | 2017 |
| 024954 | ASAHI REF INC USA | 390.275 | 389.884 | 0.9990 | 2017 |
| 024955 | ASAHI REF INC USA | 407.900 | 407.492 | 0.9990 | 2017 |
| 024956 | ASAHI REF INC USA | 403.400 | 403.037 | 0.9991 | 2017 |
| 024957 | ASAHI REF INC USA | 391.975 | 391.622 | 0.9991 | 2017 |
| 024958 | ASAHI REF INC USA | 382.400 | 382.055 | 0.9991 | 2017 |
| 024959 | ASAHI REF INC USA | 375.075 | 374.737 | 0.9991 | 2017 |
| 024960 | ASAHI REF INC USA | 378.525 | 378.184 | 0.9991 | 2017 |
| 024961 | ASAHI REF INC USA | 400.200 | 399.839 | 0.9991 | 2017 |
| 024962 | ASAHI REF INC USA | 413.425 | 413.053 | 0.9991 | 2017 |
| 024963 | ASAHI REF INC USA | 389.375 | 389.024 | 0.9991 | 2017 |
| 024964 | ASAHI REF INC USA | 387.825 | 387.398 | 0.9989 | 2017 |
| 024965 | ASAHI REF INC USA | 383.625 | 383.203 | 0.9989 | 2017 |
| 024966 | ASAHI REF INC USA | 404.825 | 404.379 | 0.9989 | 2017 |
| 024967 | ASAHI REF INC USA | 391.950 | 391.518 | 0.9989 | 2017 |
| 024968 | ASAHI REF INC USA | 414.075 | 413.619 | 0.9989 | 2017 |
| 024969 | ASAHI REF INC USA | 416.925 | 416.466 | 0.9989 | 2017 |
| 024970 | ASAHI REF INC USA | 387.425 | 386.998 | 0.9989 | 2017 |
| 024971 | ASAHI REF INC USA | 383.600 | 383.178 | 0.9989 | 2017 |
| 024972 | ASAHI REF INC USA | 404.850 | 404.404 | 0.9989 | 2017 |
| 024973 | ASAHI REF INC USA | 378.825 | 378.408 | 0.9989 | 2017 |
| 024974 | ASAHI REF INC USA | 394.100 | 393.666 | 0.9989 | 2017 |
| 024975 | ASAHI REF INC USA | 382.150 | 381.729 | 0.9989 | 2017 |
| 024976 | ASAHI REF INC USA | 414.525 | 414.069 | 0.9989 | 2017 |
| 024977 | ASAHI REF INC USA | 397.000 | 396.325 | 0.9983 | 2017 |
| 024978 | ASAHI REF INC USA | 391.175 | 390.510 | 0.9983 | 2017 |
| 024979 | ASAHI REF INC USA | 398.400 | 397.722 | 0.9983 | 2017 |
| 024981 | ASAHI REF INC USA | 398.300 | 397.622 | 0.9983 | 2017 |
| 024982 | ASAHI REF INC USA | 373.225 | 372.590 | 0.9983 | 2017 |
| 024984 | ASAHI REF INC USA | 390.175 | 389.394 | 0.9980 | 2017 |
| 024985 | ASAHI REF INC USA | 393.250 | 392.463 | 0.9980 | 2017 |
| 024986 | ASAHI REF INC USA | 391.550 | 390.767 | 0.9980 | 2017 |
| 024987 | ASAHI REF INC USA | 394.050 | 393.262 | 0.9980 | 2017 |
| 024988 | ASAHI REF INC USA | 394.275 | 393.486 | 0.9980 | 2017 |

|        |                   |         |         |        |      |
|--------|-------------------|---------|---------|--------|------|
| 024989 | ASAHI REF INC USA | 387.625 | 386.849 | 0.9980 | 2017 |
| 024990 | ASAHI REF INC USA | 394.075 | 393.602 | 0.9988 | 2017 |
| 024991 | ASAHI REF INC USA | 394.275 | 393.801 | 0.9988 | 2017 |
| 024992 | ASAHI REF INC USA | 385.175 | 384.712 | 0.9988 | 2017 |
| 024993 | ASAHI REF INC USA | 398.325 | 397.847 | 0.9988 | 2017 |
| 024994 | ASAHI REF INC USA | 394.625 | 394.151 | 0.9988 | 2017 |
| 024995 | ASAHI REF INC USA | 391.775 | 391.304 | 0.9988 | 2017 |
| 024996 | ASAHI REF INC USA | 394.325 | 393.851 | 0.9988 | 2017 |
| 024997 | ASAHI REF INC USA | 397.700 | 397.222 | 0.9988 | 2017 |
| 024998 | ASAHI REF INC USA | 396.600 | 396.124 | 0.9988 | 2017 |
| 024999 | ASAHI REF INC USA | 412.150 | 411.655 | 0.9988 | 2017 |
| 025000 | ASAHI REF INC USA | 393.925 | 393.452 | 0.9988 | 2017 |
| 025003 | ASAHI REF INC USA | 385.350 | 384.849 | 0.9987 | 2017 |
| 025004 | ASAHI REF INC USA | 383.100 | 382.602 | 0.9987 | 2017 |
| 025005 | ASAHI REF INC USA | 396.375 | 395.859 | 0.9987 | 2017 |
| 025006 | ASAHI REF INC USA | 387.225 | 386.721 | 0.9987 | 2017 |
| 025007 | ASAHI REF INC USA | 395.050 | 394.536 | 0.9987 | 2017 |
| 025008 | ASAHI REF INC USA | 393.025 | 392.514 | 0.9987 | 2017 |
| 025009 | ASAHI REF INC USA | 399.050 | 398.531 | 0.9987 | 2017 |
| 025010 | ASAHI REF INC USA | 394.575 | 394.062 | 0.9987 | 2017 |
| 025011 | ASAHI REF INC USA | 386.675 | 386.172 | 0.9987 | 2017 |
| 025013 | ASAHI REF INC USA | 390.300 | 389.792 | 0.9987 | 2017 |
| 025014 | ASAHI REF INC USA | 385.775 | 385.273 | 0.9987 | 2017 |
| 025015 | ASAHI REF INC USA | 400.175 | 399.654 | 0.9987 | 2017 |
| 025018 | ASAHI REF INC USA | 396.675 | 396.119 | 0.9986 | 2017 |
| 025019 | ASAHI REF INC USA | 387.075 | 386.533 | 0.9986 | 2017 |
| 026295 | ASAHI REF INC USA | 390.875 | 389.741 | 0.9971 | 2018 |
| 026296 | ASAHI REF INC USA | 408.275 | 407.091 | 0.9971 | 2018 |
| 026298 | ASAHI REF INC USA | 401.875 | 400.709 | 0.9971 | 2018 |
| 026299 | ASAHI REF INC USA | 402.500 | 401.332 | 0.9971 | 2018 |
| 026300 | ASAHI REF INC USA | 404.300 | 403.289 | 0.9975 | 2018 |
| 026301 | ASAHI REF INC USA | 401.075 | 400.072 | 0.9975 | 2018 |
| 026302 | ASAHI REF INC USA | 386.750 | 385.783 | 0.9975 | 2018 |
| 026303 | ASAHI REF INC USA | 400.925 | 399.922 | 0.9975 | 2018 |
| 026304 | ASAHI REF INC USA | 406.200 | 405.184 | 0.9975 | 2018 |
| 026305 | ASAHI REF INC USA | 394.925 | 393.937 | 0.9975 | 2018 |
| 026306 | ASAHI REF INC USA | 393.975 | 392.990 | 0.9975 | 2018 |
| 026307 | ASAHI REF INC USA | 398.750 | 397.513 | 0.9969 | 2018 |
| 026308 | ASAHI REF INC USA | 405.425 | 404.168 | 0.9969 | 2018 |
| 026309 | ASAHI REF INC USA | 401.000 | 399.757 | 0.9969 | 2018 |
| 026310 | ASAHI REF INC USA | 379.450 | 378.273 | 0.9969 | 2018 |
| 026312 | ASAHI REF INC USA | 402.400 | 401.152 | 0.9969 | 2018 |
| 026314 | ASAHI REF INC USA | 403.250 | 402.000 | 0.9969 | 2018 |
| 026315 | ASAHI REF INC USA | 391.425 | 390.329 | 0.9972 | 2018 |
| 026316 | ASAHI REF INC USA | 412.550 | 411.394 | 0.9972 | 2018 |
| 026318 | ASAHI REF INC USA | 388.925 | 387.836 | 0.9972 | 2018 |
| 026319 | ASAHI REF INC USA | 412.225 | 411.070 | 0.9972 | 2018 |
| 026320 | ASAHI REF INC USA | 390.625 | 389.531 | 0.9972 | 2018 |
| 026321 | ASAHI REF INC USA | 402.750 | 401.622 | 0.9972 | 2018 |
| 026322 | ASAHI REF INC USA | 401.425 | 400.301 | 0.9972 | 2018 |



|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 028397 | ASAHI REF INC USA    | 409.600 | 408.617 | 0.9976 | 2018 |
| 028398 | ASAHI REF INC USA    | 394.550 | 393.603 | 0.9976 | 2018 |
| 028399 | ASAHI REF INC USA    | 399.500 | 398.661 | 0.9979 | 2018 |
| 028400 | ASAHI REF INC USA    | 403.950 | 403.101 | 0.9979 | 2018 |
| 028401 | ASAHI REF INC USA    | 394.075 | 393.247 | 0.9979 | 2018 |
| 028403 | ASAHI REF INC USA    | 394.925 | 394.095 | 0.9979 | 2018 |
| 028404 | ASAHI REF INC USA    | 420.025 | 419.143 | 0.9979 | 2018 |
| 028405 | ASAHI REF INC USA    | 404.075 | 403.226 | 0.9979 | 2018 |
| 028971 | PRIOKSKY             | 392.150 | 392.110 | 0.9999 | 2020 |
| 031474 | ASAHI REF CANADA LTD | 415.000 | 414.958 | 0.9999 | 2016 |
| 031475 | ASAHI REF CANADA LTD | 408.100 | 408.059 | 0.9999 | 2016 |
| 031476 | ASAHI REF CANADA LTD | 417.200 | 417.158 | 0.9999 | 2016 |
| 031477 | ASAHI REF CANADA LTD | 415.700 | 415.658 | 0.9999 | 2016 |
| 031494 | ASAHI REF CANADA LTD | 415.650 | 415.608 | 0.9999 | 2016 |
| 031495 | ASAHI REF CANADA LTD | 411.850 | 411.808 | 0.9999 | 2016 |
| 031496 | ASAHI REF CANADA LTD | 429.800 | 429.757 | 0.9999 | 2016 |
| 031497 | ASAHI REF CANADA LTD | 415.350 | 415.308 | 0.9999 | 2016 |
| 031638 | ASAHI REF CANADA LTD | 409.875 | 409.834 | 0.9999 | 2016 |
| 031639 | ASAHI REF CANADA LTD | 426.375 | 426.332 | 0.9999 | 2016 |
| 031640 | ASAHI REF CANADA LTD | 411.025 | 410.983 | 0.9999 | 2016 |
| 031641 | ASAHI REF CANADA LTD | 420.475 | 420.433 | 0.9999 | 2016 |
| 031642 | ASAHI REF CANADA LTD | 395.750 | 395.710 | 0.9999 | 2016 |
| 033201 | ASAHI REF INC USA    | 427.350 | 426.751 | 0.9986 | 2018 |
| 033209 | ASAHI REF INC USA    | 422.650 | 421.931 | 0.9983 | 2018 |
| 033210 | ASAHI REF INC USA    | 406.725 | 406.033 | 0.9983 | 2018 |
| 033211 | ASAHI REF INC USA    | 388.025 | 387.365 | 0.9983 | 2018 |
| 033212 | ASAHI REF INC USA    | 400.100 | 399.419 | 0.9983 | 2018 |
| 033213 | ASAHI REF INC USA    | 398.300 | 397.622 | 0.9983 | 2018 |
| 033214 | ASAHI REF INC USA    | 385.000 | 384.384 | 0.9984 | 2018 |
| 033215 | ASAHI REF INC USA    | 397.925 | 397.288 | 0.9984 | 2018 |
| 033216 | ASAHI REF INC USA    | 416.475 | 415.808 | 0.9984 | 2018 |
| 033217 | ASAHI REF INC USA    | 408.300 | 407.646 | 0.9984 | 2018 |
| 033218 | ASAHI REF INC USA    | 384.150 | 383.535 | 0.9984 | 2018 |
| 033219 | ASAHI REF INC USA    | 393.975 | 393.344 | 0.9984 | 2018 |
| 033220 | ASAHI REF INC USA    | 407.225 | 406.573 | 0.9984 | 2018 |
| 033221 | ASAHI REF INC USA    | 408.300 | 407.646 | 0.9984 | 2018 |
| 033223 | ASAHI REF INC USA    | 418.950 | 418.154 | 0.9981 | 2018 |
| 033224 | ASAHI REF INC USA    | 406.275 | 405.503 | 0.9981 | 2018 |
| 033225 | ASAHI REF INC USA    | 406.500 | 405.727 | 0.9981 | 2018 |
| 033226 | ASAHI REF INC USA    | 394.200 | 393.451 | 0.9981 | 2018 |
| 033227 | ASAHI REF INC USA    | 407.275 | 406.501 | 0.9981 | 2018 |
| 033228 | ASAHI REF INC USA    | 402.475 | 401.710 | 0.9981 | 2018 |
| 033229 | ASAHI REF INC USA    | 421.175 | 420.374 | 0.9981 | 2018 |
| 033230 | ASAHI REF INC USA    | 393.800 | 393.051 | 0.9981 | 2018 |
| 033231 | ASAHI REF INC USA    | 388.875 | 388.136 | 0.9981 | 2018 |
| 033232 | ASAHI REF INC USA    | 408.900 | 408.123 | 0.9981 | 2018 |
| 033233 | ASAHI REF INC USA    | 405.100 | 404.330 | 0.9981 | 2018 |
| 033234 | ASAHI REF INC USA    | 393.925 | 393.176 | 0.9981 | 2018 |
| 033235 | ASAHI REF INC USA    | 384.000 | 383.270 | 0.9981 | 2018 |
| 033236 | ASAHI REF INC USA    | 394.025 | 393.276 | 0.9981 | 2018 |

|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 033546 | ASAHI REF CANADA LTD | 420.275 | 419.098 | 0.9972 | 2017 |
| 033547 | ASAHI REF CANADA LTD | 415.600 | 414.477 | 0.9973 | 2017 |
| 033548 | ASAHI REF CANADA LTD | 398.550 | 397.474 | 0.9973 | 2017 |
| 033549 | ASAHI REF CANADA LTD | 402.525 | 401.438 | 0.9973 | 2017 |
| 033550 | ASAHI REF CANADA LTD | 403.050 | 401.961 | 0.9973 | 2017 |
| 033551 | ASAHI REF CANADA LTD | 425.925 | 424.775 | 0.9973 | 2017 |
| 033552 | ASAHI REF CANADA LTD | 417.550 | 416.422 | 0.9973 | 2017 |
| 033553 | ASAHI REF CANADA LTD | 408.100 | 407.039 | 0.9974 | 2017 |
| 033554 | ASAHI REF CANADA LTD | 413.250 | 412.175 | 0.9974 | 2017 |
| 033555 | ASAHI REF CANADA LTD | 411.875 | 410.804 | 0.9974 | 2017 |
| 033556 | ASAHI REF CANADA LTD | 404.000 | 402.949 | 0.9974 | 2017 |
| 033557 | ASAHI REF CANADA LTD | 416.525 | 415.442 | 0.9974 | 2017 |
| 033558 | ASAHI REF CANADA LTD | 417.475 | 416.389 | 0.9974 | 2017 |
| 033559 | ASAHI REF CANADA LTD | 424.400 | 423.339 | 0.9975 | 2017 |
| 033560 | ASAHI REF CANADA LTD | 409.600 | 408.576 | 0.9975 | 2017 |
| 033561 | ASAHI REF CANADA LTD | 411.525 | 410.496 | 0.9975 | 2017 |
| 033562 | ASAHI REF CANADA LTD | 418.225 | 417.179 | 0.9975 | 2017 |
| 033563 | ASAHI REF CANADA LTD | 420.575 | 419.607 | 0.9977 | 2017 |
| 033564 | ASAHI REF CANADA LTD | 429.650 | 428.661 | 0.9977 | 2017 |
| 033565 | ASAHI REF CANADA LTD | 429.900 | 428.911 | 0.9977 | 2017 |
| 033566 | ASAHI REF CANADA LTD | 410.875 | 409.930 | 0.9977 | 2017 |
| 033567 | ASAHI REF CANADA LTD | 411.725 | 410.778 | 0.9977 | 2017 |
| 034409 | ASAHI REF CANADA LTD | 397.800 | 397.760 | 0.9999 | 2017 |
| 034410 | ASAHI REF CANADA LTD | 419.725 | 419.683 | 0.9999 | 2017 |
| 035290 | ASAHI REF INC USA    | 396.700 | 395.787 | 0.9977 | 2018 |
| 035291 | ASAHI REF INC USA    | 420.875 | 419.907 | 0.9977 | 2018 |
| 035292 | ASAHI REF INC USA    | 395.100 | 394.191 | 0.9977 | 2018 |
| 035294 | ASAHI REF INC USA    | 398.975 | 398.057 | 0.9977 | 2018 |
| 035295 | ASAHI REF INC USA    | 407.375 | 406.438 | 0.9977 | 2018 |
| 035296 | ASAHI REF INC USA    | 405.075 | 404.345 | 0.9982 | 2018 |
| 035297 | ASAHI REF INC USA    | 403.600 | 402.873 | 0.9982 | 2018 |
| 035298 | ASAHI REF INC USA    | 404.450 | 403.722 | 0.9982 | 2018 |
| 035299 | ASAHI REF INC USA    | 392.200 | 391.494 | 0.9982 | 2018 |
| 035300 | ASAHI REF INC USA    | 396.450 | 395.736 | 0.9982 | 2018 |
| 035301 | ASAHI REF INC USA    | 418.050 | 417.255 | 0.9981 | 2018 |
| 035302 | ASAHI REF INC USA    | 416.825 | 416.033 | 0.9981 | 2018 |
| 035303 | ASAHI REF INC USA    | 399.050 | 398.291 | 0.9981 | 2018 |
| 035304 | ASAHI REF INC USA    | 412.925 | 412.140 | 0.9981 | 2018 |
| 035305 | ASAHI REF INC USA    | 385.425 | 384.692 | 0.9981 | 2018 |
| 035306 | ASAHI REF INC USA    | 404.675 | 403.906 | 0.9981 | 2018 |
| 035307 | ASAHI REF INC USA    | 398.700 | 397.942 | 0.9981 | 2018 |
| 035308 | ASAHI REF INC USA    | 396.225 | 395.472 | 0.9981 | 2018 |
| 035309 | ASAHI REF INC USA    | 417.375 | 416.498 | 0.9979 | 2018 |
| 035310 | ASAHI REF INC USA    | 406.150 | 405.297 | 0.9979 | 2018 |
| 035311 | ASAHI REF INC USA    | 401.575 | 400.731 | 0.9979 | 2018 |
| 035312 | ASAHI REF INC USA    | 409.650 | 408.789 | 0.9979 | 2018 |
| 035313 | ASAHI REF INC USA    | 393.500 | 392.673 | 0.9979 | 2018 |
| 035750 | ASAHI REF INC USA    | 392.025 | 391.045 | 0.9975 | 2018 |
| 035753 | ASAHI REF INC USA    | 399.825 | 398.785 | 0.9974 | 2018 |
| 035754 | ASAHI REF INC USA    | 412.425 | 411.352 | 0.9974 | 2018 |



|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 035755 | ASAHI REF INC USA    | 391.000 | 389.983 | 0.9974 | 2018 |
| 035937 | ASAHI REF INC USA    | 378.925 | 378.091 | 0.9978 | 2018 |
| 035938 | ASAHI REF INC USA    | 373.350 | 372.528 | 0.9978 | 2018 |
| 035939 | ASAHI REF INC USA    | 394.450 | 393.582 | 0.9978 | 2018 |
| 035941 | ASAHI REF INC USA    | 398.025 | 397.149 | 0.9978 | 2018 |
| 036420 | ASAHI REF INC USA    | 394.200 | 393.332 | 0.9978 | 2018 |
| 036421 | ASAHI REF INC USA    | 416.775 | 415.858 | 0.9978 | 2018 |
| 036422 | ASAHI REF INC USA    | 407.600 | 406.377 | 0.9970 | 2018 |
| 036423 | ASAHI REF INC USA    | 391.400 | 390.225 | 0.9970 | 2018 |
| 036424 | ASAHI REF INC USA    | 388.075 | 386.910 | 0.9970 | 2018 |
| 036426 | ASAHI REF INC USA    | 397.500 | 396.307 | 0.9970 | 2018 |
| 036427 | ASAHI REF INC USA    | 407.025 | 405.804 | 0.9970 | 2018 |
| 036428 | ASAHI REF INC USA    | 402.975 | 401.766 | 0.9970 | 2018 |
| 036429 | ASAHI REF INC USA    | 389.550 | 388.459 | 0.9972 | 2018 |
| 036430 | ASAHI REF INC USA    | 382.400 | 381.329 | 0.9972 | 2018 |
| 036431 | ASAHI REF INC USA    | 409.150 | 408.004 | 0.9972 | 2018 |
| 036432 | ASAHI REF INC USA    | 403.825 | 402.694 | 0.9972 | 2018 |
| 036433 | ASAHI REF INC USA    | 382.450 | 381.379 | 0.9972 | 2018 |
| 036435 | ASAHI REF INC USA    | 389.275 | 388.185 | 0.9972 | 2018 |
| 036436 | ASAHI REF INC USA    | 394.875 | 393.769 | 0.9972 | 2018 |
| 036785 | ASAHI REF CANADA LTD | 399.900 | 399.300 | 0.9985 | 2017 |
| 036786 | ASAHI REF CANADA LTD | 408.350 | 407.533 | 0.9980 | 2017 |
| 036787 | ASAHI REF CANADA LTD | 394.850 | 394.060 | 0.9980 | 2017 |
| 036788 | ASAHI REF CANADA LTD | 402.975 | 402.169 | 0.9980 | 2017 |
| 036789 | ASAHI REF CANADA LTD | 403.450 | 402.643 | 0.9980 | 2017 |
| 036790 | ASAHI REF CANADA LTD | 392.800 | 392.014 | 0.9980 | 2017 |
| 036791 | ASAHI REF CANADA LTD | 412.575 | 411.749 | 0.9980 | 2017 |
| 036792 | ASAHI REF CANADA LTD | 393.725 | 392.583 | 0.9971 | 2017 |
| 036793 | ASAHI REF CANADA LTD | 398.850 | 397.693 | 0.9971 | 2017 |
| 036794 | ASAHI REF CANADA LTD | 410.100 | 408.910 | 0.9971 | 2017 |
| 036795 | ASAHI REF CANADA LTD | 408.925 | 407.739 | 0.9971 | 2017 |
| 036796 | ASAHI REF CANADA LTD | 400.625 | 399.463 | 0.9971 | 2017 |
| 036797 | ASAHI REF CANADA LTD | 394.475 | 393.331 | 0.9971 | 2017 |
| 037031 | ASAHI REF INC USA    | 411.125 | 410.302 | 0.9980 | 2018 |
| 037032 | ASAHI REF INC USA    | 422.375 | 421.530 | 0.9980 | 2018 |
| 037033 | ASAHI REF INC USA    | 414.450 | 413.621 | 0.9980 | 2018 |
| 037034 | ASAHI REF INC USA    | 398.375 | 397.578 | 0.9980 | 2018 |
| 037035 | ASAHI REF INC USA    | 418.300 | 417.463 | 0.9980 | 2018 |
| 037036 | ASAHI REF INC USA    | 417.300 | 416.465 | 0.9980 | 2018 |
| 037037 | ASAHI REF INC USA    | 409.900 | 409.080 | 0.9980 | 2018 |
| 037038 | ASAHI REF INC USA    | 401.375 | 400.572 | 0.9980 | 2018 |
| 037039 | ASAHI REF INC USA    | 412.900 | 411.867 | 0.9975 | 2018 |
| 037040 | ASAHI REF INC USA    | 429.550 | 428.476 | 0.9975 | 2018 |
| 037041 | ASAHI REF INC USA    | 418.150 | 417.104 | 0.9975 | 2018 |
| 037042 | ASAHI REF INC USA    | 402.550 | 401.543 | 0.9975 | 2018 |
| 037043 | ASAHI REF INC USA    | 388.500 | 387.528 | 0.9975 | 2018 |
| 037044 | ASAHI REF INC USA    | 393.075 | 392.210 | 0.9978 | 2018 |
| 037045 | ASAHI REF INC USA    | 393.300 | 392.434 | 0.9978 | 2018 |
| 037046 | ASAHI REF INC USA    | 388.500 | 387.645 | 0.9978 | 2018 |
| 037047 | ASAHI REF INC USA    | 389.450 | 388.593 | 0.9978 | 2018 |

|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 037048 | ASAHI REF INC USA    | 384.050 | 383.205 | 0.9978 | 2018 |
| 037049 | ASAHI REF INC USA    | 389.850 | 388.992 | 0.9978 | 2018 |
| 037050 | ASAHI REF INC USA    | 397.350 | 396.515 | 0.9979 | 2018 |
| 037051 | ASAHI REF INC USA    | 402.375 | 401.530 | 0.9979 | 2018 |
| 037052 | ASAHI REF INC USA    | 391.275 | 390.453 | 0.9979 | 2018 |
| 037053 | ASAHI REF INC USA    | 393.925 | 393.097 | 0.9979 | 2018 |
| 037054 | ASAHI REF INC USA    | 404.625 | 403.775 | 0.9979 | 2018 |
| 037866 | ASAHI REF CANADA LTD | 404.675 | 403.420 | 0.9969 | 2017 |
| 037867 | ASAHI REF CANADA LTD | 414.050 | 412.766 | 0.9969 | 2017 |
| 037868 | ASAHI REF CANADA LTD | 412.550 | 411.312 | 0.9970 | 2017 |
| 037869 | ASAHI REF CANADA LTD | 408.150 | 406.925 | 0.9970 | 2017 |
| 037870 | ASAHI REF CANADA LTD | 400.300 | 399.099 | 0.9970 | 2017 |
| 037871 | ASAHI REF CANADA LTD | 405.100 | 403.884 | 0.9970 | 2017 |
| 037872 | ASAHI REF CANADA LTD | 414.725 | 413.480 | 0.9970 | 2017 |
| 037873 | ASAHI REF CANADA LTD | 423.800 | 422.571 | 0.9971 | 2017 |
| 037874 | ASAHI REF CANADA LTD | 407.525 | 406.343 | 0.9971 | 2017 |
| 037875 | ASAHI REF CANADA LTD | 397.575 | 396.422 | 0.9971 | 2017 |
| 037876 | ASAHI REF CANADA LTD | 400.425 | 399.263 | 0.9971 | 2017 |
| 038930 | ASAHI REF INC USA    | 409.600 | 409.149 | 0.9989 | 2018 |
| 038931 | ASAHI REF INC USA    | 397.700 | 397.262 | 0.9989 | 2018 |
| 038932 | ASAHI REF INC USA    | 404.850 | 404.404 | 0.9989 | 2018 |
| 038933 | ASAHI REF INC USA    | 380.700 | 380.281 | 0.9989 | 2018 |
| 038934 | ASAHI REF INC USA    | 405.300 | 404.854 | 0.9989 | 2018 |
| 038935 | ASAHI REF INC USA    | 428.700 | 428.228 | 0.9989 | 2018 |
| 038944 | ASAHI REF INC USA    | 401.075 | 400.232 | 0.9979 | 2018 |
| 038945 | ASAHI REF INC USA    | 420.075 | 419.192 | 0.9979 | 2018 |
| 038946 | ASAHI REF INC USA    | 385.125 | 384.316 | 0.9979 | 2018 |
| 038947 | ASAHI REF INC USA    | 399.400 | 398.561 | 0.9979 | 2018 |
| 038948 | ASAHI REF INC USA    | 399.900 | 399.060 | 0.9979 | 2018 |
| 038949 | ASAHI REF INC USA    | 407.525 | 406.669 | 0.9979 | 2018 |
| 038950 | ASAHI REF INC USA    | 417.100 | 416.224 | 0.9979 | 2018 |
| 038951 | ASAHI REF INC USA    | 413.475 | 412.606 | 0.9979 | 2018 |
| 038952 | ASAHI REF INC USA    | 388.700 | 387.300 | 0.9964 | 2018 |
| 038953 | ASAHI REF INC USA    | 394.525 | 393.104 | 0.9964 | 2018 |
| 038954 | ASAHI REF INC USA    | 384.625 | 383.240 | 0.9964 | 2018 |
| 038955 | ASAHI REF INC USA    | 393.600 | 392.183 | 0.9964 | 2018 |
| 038956 | ASAHI REF INC USA    | 389.575 | 388.172 | 0.9964 | 2018 |
| 038957 | ASAHI REF INC USA    | 411.500 | 410.018 | 0.9964 | 2018 |
| 038958 | ASAHI REF INC USA    | 408.175 | 406.705 | 0.9964 | 2018 |
| 038959 | ASAHI REF INC USA    | 397.850 | 396.218 | 0.9959 | 2018 |
| 038960 | ASAHI REF INC USA    | 394.325 | 392.708 | 0.9959 | 2018 |
| 038961 | ASAHI REF INC USA    | 383.325 | 381.753 | 0.9959 | 2018 |
| 038962 | ASAHI REF INC USA    | 397.700 | 396.069 | 0.9959 | 2018 |
| 038963 | ASAHI REF INC USA    | 395.275 | 393.654 | 0.9959 | 2018 |
| 038964 | ASAHI REF INC USA    | 389.300 | 387.703 | 0.9959 | 2018 |
| 038965 | ASAHI REF INC USA    | 398.350 | 396.716 | 0.9959 | 2018 |
| 038966 | ASAHI REF INC USA    | 402.050 | 400.401 | 0.9959 | 2018 |
| 038967 | ASAHI REF INC USA    | 404.125 | 402.427 | 0.9958 | 2018 |
| 038968 | ASAHI REF INC USA    | 398.475 | 396.801 | 0.9958 | 2018 |
| 038969 | ASAHI REF INC USA    | 389.075 | 387.440 | 0.9958 | 2018 |

|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 038970 | ASAHI REF INC USA    | 402.100 | 400.411 | 0.9958 | 2018 |
| 038971 | ASAHI REF INC USA    | 399.775 | 398.096 | 0.9958 | 2018 |
| 038972 | ASAHI REF INC USA    | 394.875 | 394.203 | 0.9983 | 2018 |
| 038973 | ASAHI REF INC USA    | 395.775 | 395.102 | 0.9983 | 2018 |
| 038974 | ASAHI REF INC USA    | 400.825 | 400.143 | 0.9983 | 2018 |
| 038975 | ASAHI REF INC USA    | 402.050 | 401.366 | 0.9983 | 2018 |
| 038976 | ASAHI REF INC USA    | 390.025 | 389.362 | 0.9983 | 2018 |
| 038977 | ASAHI REF INC USA    | 393.900 | 393.230 | 0.9983 | 2018 |
| 038978 | ASAHI REF INC USA    | 422.250 | 421.532 | 0.9983 | 2018 |
| 038986 | ASAHI REF INC USA    | 415.525 | 414.943 | 0.9986 | 2018 |
| 038987 | ASAHI REF INC USA    | 401.925 | 401.362 | 0.9986 | 2018 |
| 038988 | ASAHI REF INC USA    | 397.725 | 397.168 | 0.9986 | 2018 |
| 038989 | ASAHI REF INC USA    | 412.500 | 411.922 | 0.9986 | 2018 |
| 038990 | ASAHI REF INC USA    | 400.075 | 399.514 | 0.9986 | 2018 |
| 038991 | ASAHI REF INC USA    | 402.975 | 402.410 | 0.9986 | 2018 |
| 038992 | ASAHI REF INC USA    | 414.850 | 414.269 | 0.9986 | 2018 |
| 038993 | ASAHI REF INC USA    | 399.650 | 399.170 | 0.9988 | 2018 |
| 038994 | ASAHI REF INC USA    | 396.850 | 396.373 | 0.9988 | 2018 |
| 038995 | ASAHI REF INC USA    | 392.300 | 391.829 | 0.9988 | 2018 |
| 038996 | ASAHI REF INC USA    | 407.850 | 407.360 | 0.9988 | 2018 |
| 038997 | ASAHI REF INC USA    | 395.025 | 394.551 | 0.9988 | 2018 |
| 038998 | ASAHI REF INC USA    | 398.250 | 397.772 | 0.9988 | 2018 |
| 038999 | ASAHI REF INC USA    | 396.175 | 395.699 | 0.9988 | 2018 |
| 039000 | ASAHI REF INC USA    | 409.875 | 409.424 | 0.9989 | 2018 |
| 039001 | ASAHI REF INC USA    | 407.050 | 406.602 | 0.9989 | 2018 |
| 039002 | ASAHI REF INC USA    | 390.050 | 389.621 | 0.9989 | 2018 |
| 039003 | ASAHI REF INC USA    | 397.650 | 397.212 | 0.9989 | 2018 |
| 039004 | ASAHI REF INC USA    | 405.475 | 405.029 | 0.9989 | 2018 |
| 039005 | ASAHI REF INC USA    | 407.750 | 407.301 | 0.9989 | 2018 |
| 039006 | ASAHI REF INC USA    | 404.000 | 403.555 | 0.9989 | 2018 |
| 039007 | ASAHI REF INC USA    | 402.675 | 402.232 | 0.9989 | 2018 |
| 039008 | ASAHI REF INC USA    | 399.100 | 398.661 | 0.9989 | 2018 |
| 039009 | ASAHI REF INC USA    | 380.200 | 379.781 | 0.9989 | 2018 |
| 039219 | PRIOKSKY             | 398.225 | 398.185 | 0.9999 | 2020 |
| 039221 | PRIOKSKY             | 400.275 | 400.235 | 0.9999 | 2020 |
| 039223 | PRIOKSKY             | 402.700 | 402.659 | 0.9999 | 2020 |
| 039227 | PRIOKSKY             | 398.300 | 398.260 | 0.9999 | 2020 |
| 039228 | PRIOKSKY             | 396.400 | 396.360 | 0.9999 | 2020 |
| 039229 | PRIOKSKY             | 397.425 | 397.385 | 0.9999 | 2020 |
| 039232 | PRIOKSKY             | 405.400 | 405.359 | 0.9999 | 2020 |
| 039236 | PRIOKSKY             | 404.075 | 404.034 | 0.9999 | 2020 |
| 039245 | PRIOKSKY             | 400.500 | 400.460 | 0.9999 | 2020 |
| 039246 | PRIOKSKY             | 402.825 | 402.784 | 0.9999 | 2020 |
| 039247 | PRIOKSKY             | 400.400 | 400.360 | 0.9999 | 2020 |
| 039262 | PRIOKSKY             | 394.400 | 394.360 | 0.9999 | 2020 |
| 039333 | ASAHI REF CANADA LTD | 411.900 | 411.858 | 0.9999 | 2017 |
| 039334 | ASAHI REF CANADA LTD | 408.900 | 408.859 | 0.9999 | 2017 |
| 039335 | ASAHI REF CANADA LTD | 418.575 | 418.533 | 0.9999 | 2017 |
| 039336 | ASAHI REF CANADA LTD | 411.525 | 411.483 | 0.9999 | 2017 |
| 039337 | ASAHI REF CANADA LTD | 414.300 | 414.258 | 0.9999 | 2017 |

|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 039338 | ASAHI REF CANADA LTD | 407.725 | 407.684 | 0.9999 | 2017 |
| 039339 | ASAHI REF CANADA LTD | 417.850 | 417.808 | 0.9999 | 2017 |
| 039340 | ASAHI REF CANADA LTD | 418.200 | 418.158 | 0.9999 | 2017 |
| 039341 | ASAHI REF CANADA LTD | 413.850 | 413.808 | 0.9999 | 2017 |
| 039342 | ASAHI REF CANADA LTD | 410.275 | 410.234 | 0.9999 | 2017 |
| 039343 | ASAHI REF CANADA LTD | 407.650 | 407.609 | 0.9999 | 2017 |
| 039344 | ASAHI REF CANADA LTD | 405.100 | 405.059 | 0.9999 | 2017 |
| 039345 | ASAHI REF CANADA LTD | 418.950 | 418.908 | 0.9999 | 2017 |
| 039346 | ASAHI REF CANADA LTD | 415.425 | 415.383 | 0.9999 | 2017 |
| 039347 | ASAHI REF CANADA LTD | 418.825 | 418.783 | 0.9999 | 2017 |
| 039348 | ASAHI REF CANADA LTD | 401.400 | 401.359 | 0.9999 | 2017 |
| 039349 | ASAHI REF CANADA LTD | 399.500 | 399.460 | 0.9999 | 2017 |
| 039350 | ASAHI REF CANADA LTD | 414.650 | 414.608 | 0.9999 | 2017 |
| 039351 | ASAHI REF CANADA LTD | 411.825 | 411.783 | 0.9999 | 2017 |
| 039352 | ASAHI REF CANADA LTD | 419.375 | 419.333 | 0.9999 | 2017 |
| 039353 | ASAHI REF CANADA LTD | 403.575 | 403.534 | 0.9999 | 2017 |
| 039354 | ASAHI REF CANADA LTD | 407.775 | 407.734 | 0.9999 | 2017 |
| 039355 | ASAHI REF CANADA LTD | 413.500 | 413.458 | 0.9999 | 2017 |
| 039356 | ASAHI REF CANADA LTD | 398.025 | 397.985 | 0.9999 | 2017 |
| 039357 | ASAHI REF CANADA LTD | 397.225 | 397.185 | 0.9999 | 2017 |
| 039358 | ASAHI REF CANADA LTD | 409.200 | 409.159 | 0.9999 | 2017 |
| 039359 | ASAHI REF CANADA LTD | 399.525 | 399.485 | 0.9999 | 2017 |
| 043385 | PRIOKSKY             | 413.175 | 413.133 | 0.9999 | 2019 |
| 043386 | PRIOKSKY             | 414.925 | 414.883 | 0.9999 | 2019 |
| 043492 | ASAHI REF CANADA LTD | 420.600 | 419.548 | 0.9975 | 2017 |
| 043493 | ASAHI REF CANADA LTD | 409.150 | 408.127 | 0.9975 | 2017 |
| 043494 | ASAHI REF CANADA LTD | 413.650 | 412.533 | 0.9973 | 2017 |
| 043495 | ASAHI REF CANADA LTD | 413.800 | 412.682 | 0.9973 | 2017 |
| 043496 | ASAHI REF CANADA LTD | 408.600 | 407.496 | 0.9973 | 2017 |
| 043497 | ASAHI REF CANADA LTD | 424.800 | 423.653 | 0.9973 | 2017 |
| 043498 | ASAHI REF CANADA LTD | 411.750 | 410.638 | 0.9973 | 2017 |
| 043499 | ASAHI REF CANADA LTD | 413.300 | 412.142 | 0.9972 | 2017 |
| 043500 | ASAHI REF CANADA LTD | 419.075 | 417.901 | 0.9972 | 2017 |
| 043501 | ASAHI REF CANADA LTD | 412.175 | 411.021 | 0.9972 | 2017 |
| 043502 | ASAHI REF CANADA LTD | 415.150 | 413.987 | 0.9972 | 2017 |
| 043503 | ASAHI REF CANADA LTD | 410.450 | 409.300 | 0.9972 | 2017 |
| 043504 | ASAHI REF CANADA LTD | 412.925 | 411.768 | 0.9972 | 2017 |
| 043505 | ASAHI REF CANADA LTD | 423.050 | 421.865 | 0.9972 | 2017 |
| 043506 | ASAHI REF CANADA LTD | 408.425 | 407.281 | 0.9972 | 2017 |
| 043507 | ASAHI REF CANADA LTD | 420.475 | 419.297 | 0.9972 | 2017 |
| 043508 | ASAHI REF CANADA LTD | 401.225 | 400.101 | 0.9972 | 2017 |
| 043509 | ASAHI REF CANADA LTD | 424.550 | 423.361 | 0.9972 | 2017 |
| 043510 | ASAHI REF CANADA LTD | 421.175 | 419.995 | 0.9972 | 2017 |
| 043511 | ASAHI REF CANADA LTD | 420.625 | 419.573 | 0.9975 | 2017 |
| 043512 | ASAHI REF CANADA LTD | 424.500 | 423.438 | 0.9975 | 2017 |
| 043513 | ASAHI REF CANADA LTD | 404.625 | 403.613 | 0.9975 | 2017 |
| 043514 | ASAHI REF CANADA LTD | 420.200 | 419.149 | 0.9975 | 2017 |
| 043706 | ASAHI REF CANADA LTD | 404.475 | 403.504 | 0.9976 | 2017 |
| 043707 | ASAHI REF CANADA LTD | 406.300 | 405.324 | 0.9976 | 2017 |
| 043708 | ASAHI REF CANADA LTD | 402.425 | 401.459 | 0.9976 | 2017 |

|        |                         |         |         |        |      |
|--------|-------------------------|---------|---------|--------|------|
| 043768 | ASAHI REF INC USA       | 396.200 | 395.288 | 0.9977 | 2019 |
| 043769 | ASAHI REF INC USA       | 408.325 | 407.385 | 0.9977 | 2019 |
| 043770 | ASAHI REF INC USA       | 373.825 | 372.965 | 0.9977 | 2019 |
| 043771 | ASAHI REF INC USA       | 402.050 | 401.125 | 0.9977 | 2019 |
| 043772 | ASAHI REF INC USA       | 393.800 | 392.894 | 0.9977 | 2019 |
| 043773 | ASAHI REF INC USA       | 402.625 | 401.699 | 0.9977 | 2019 |
| 043774 | ASAHI REF INC USA       | 397.825 | 396.910 | 0.9977 | 2019 |
| 043775 | ASAHI REF INC USA       | 392.575 | 391.789 | 0.9980 | 2019 |
| 043776 | ASAHI REF INC USA       | 381.775 | 381.011 | 0.9980 | 2019 |
| 043777 | ASAHI REF INC USA       | 385.600 | 384.828 | 0.9980 | 2019 |
| 043778 | ASAHI REF INC USA       | 408.400 | 407.583 | 0.9980 | 2019 |
| 043779 | ASAHI REF INC USA       | 402.850 | 402.044 | 0.9980 | 2019 |
| 043780 | ASAHI REF INC USA       | 408.825 | 408.007 | 0.9980 | 2019 |
| 043781 | ASAHI REF INC USA       | 406.425 | 405.612 | 0.9980 | 2019 |
| 043782 | ASAHI REF INC USA       | 397.125 | 396.291 | 0.9979 | 2019 |
| 043783 | ASAHI REF INC USA       | 409.825 | 408.964 | 0.9979 | 2019 |
| 043784 | ASAHI REF INC USA       | 398.575 | 397.738 | 0.9979 | 2019 |
| 044456 | METALOR TECHNOLOGIES HK | 402.500 | 402.459 | 0.9999 | 2016 |
| 044457 | METALOR TECHNOLOGIES HK | 402.525 | 402.484 | 0.9999 | 2016 |
| 044458 | METALOR TECHNOLOGIES HK | 402.500 | 402.459 | 0.9999 | 2016 |
| 044459 | METALOR TECHNOLOGIES HK | 402.500 | 402.459 | 0.9999 | 2016 |
| 044460 | METALOR TECHNOLOGIES HK | 402.500 | 402.459 | 0.9999 | 2016 |
| 044461 | METALOR TECHNOLOGIES HK | 402.400 | 402.359 | 0.9999 | 2016 |
| 044462 | METALOR TECHNOLOGIES HK | 402.550 | 402.509 | 0.9999 | 2016 |
| 044463 | METALOR TECHNOLOGIES HK | 402.500 | 402.459 | 0.9999 | 2016 |
| 045202 | ASAHI REF INC USA       | 407.975 | 407.118 | 0.9979 | 2019 |
| 045203 | ASAHI REF INC USA       | 397.800 | 396.964 | 0.9979 | 2019 |
| 045204 | ASAHI REF INC USA       | 407.050 | 406.195 | 0.9979 | 2019 |
| 045205 | ASAHI REF INC USA       | 398.975 | 398.137 | 0.9979 | 2019 |
| 045206 | ASAHI REF INC USA       | 395.400 | 394.807 | 0.9985 | 2019 |
| 045207 | ASAHI REF INC USA       | 398.625 | 398.027 | 0.9985 | 2019 |
| 045208 | ASAHI REF INC USA       | 417.025 | 416.399 | 0.9985 | 2019 |
| 045209 | ASAHI REF INC USA       | 399.825 | 399.225 | 0.9985 | 2019 |
| 045210 | ASAHI REF INC USA       | 389.450 | 388.865 | 0.9985 | 2019 |
| 045211 | ASAHI REF INC USA       | 400.175 | 399.574 | 0.9985 | 2019 |
| 045212 | ASAHI REF INC USA       | 397.650 | 397.053 | 0.9985 | 2019 |
| 045213 | ASAHI REF INC USA       | 411.125 | 410.672 | 0.9989 | 2019 |
| 045214 | ASAHI REF INC USA       | 403.050 | 402.606 | 0.9989 | 2019 |
| 045215 | ASAHI REF INC USA       | 417.250 | 416.791 | 0.9989 | 2019 |
| 045216 | ASAHI REF INC USA       | 398.275 | 397.836 | 0.9989 | 2019 |
| 045217 | ASAHI REF INC USA       | 394.625 | 394.191 | 0.9989 | 2019 |
| 045218 | ASAHI REF INC USA       | 389.775 | 389.346 | 0.9989 | 2019 |
| 045219 | ASAHI REF INC USA       | 400.175 | 399.734 | 0.9989 | 2019 |
| 045220 | ASAHI REF INC USA       | 408.175 | 407.726 | 0.9989 | 2019 |
| 045221 | ASAHI REF INC USA       | 390.375 | 390.023 | 0.9991 | 2019 |
| 045222 | ASAHI REF INC USA       | 413.025 | 412.653 | 0.9991 | 2019 |
| 045223 | ASAHI REF INC USA       | 407.025 | 406.658 | 0.9991 | 2019 |
| 045224 | ASAHI REF INC USA       | 399.125 | 398.765 | 0.9991 | 2019 |
| 045225 | ASAHI REF INC USA       | 409.075 | 408.706 | 0.9991 | 2019 |
| 045226 | ASAHI REF INC USA       | 414.575 | 414.201 | 0.9991 | 2019 |



|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 045227 | ASAHI REF INC USA    | 398.525 | 398.166 | 0.9991 | 2019 |
| 045228 | ASAHI REF INC USA    | 397.950 | 397.591 | 0.9991 | 2019 |
| 045229 | ASAHI REF INC USA    | 417.025 | 415.732 | 0.9969 | 2019 |
| 045230 | ASAHI REF INC USA    | 418.750 | 417.451 | 0.9969 | 2019 |
| 045232 | ASAHI REF INC USA    | 418.300 | 417.003 | 0.9969 | 2019 |
| 045233 | ASAHI REF INC USA    | 400.550 | 399.308 | 0.9969 | 2019 |
| 045234 | ASAHI REF INC USA    | 393.000 | 391.781 | 0.9969 | 2019 |
| 045235 | ASAHI REF INC USA    | 401.450 | 400.205 | 0.9969 | 2019 |
| 045238 | ASAHI REF INC USA    | 428.100 | 426.901 | 0.9972 | 2019 |
| 045239 | ASAHI REF INC USA    | 372.425 | 371.382 | 0.9972 | 2019 |
| 045241 | ASAHI REF INC USA    | 406.075 | 404.938 | 0.9972 | 2019 |
| 045242 | ASAHI REF INC USA    | 385.575 | 384.495 | 0.9972 | 2019 |
| 045243 | ASAHI REF INC USA    | 386.800 | 385.717 | 0.9972 | 2019 |
| 045244 | ASAHI REF INC USA    | 388.400 | 387.273 | 0.9971 | 2019 |
| 045245 | ASAHI REF INC USA    | 398.000 | 396.845 | 0.9971 | 2019 |
| 045247 | ASAHI REF INC USA    | 428.350 | 427.107 | 0.9971 | 2019 |
| 045248 | ASAHI REF INC USA    | 396.400 | 395.250 | 0.9971 | 2019 |
| 045250 | ASAHI REF INC USA    | 393.100 | 391.960 | 0.9971 | 2019 |
| 045251 | ASAHI REF INC USA    | 419.675 | 418.458 | 0.9971 | 2019 |
| 045252 | ASAHI REF CANADA LTD | 419.825 | 418.607 | 0.9971 | 2017 |
| 045252 | ASAHI REF INC USA    | 406.050 | 404.872 | 0.9971 | 2019 |
| 045253 | ASAHI REF CANADA LTD | 415.600 | 414.270 | 0.9968 | 2017 |
| 045254 | ASAHI REF CANADA LTD | 413.975 | 412.650 | 0.9968 | 2017 |
| 045254 | ASAHI REF INC USA    | 388.325 | 387.198 | 0.9971 | 2019 |
| 045255 | ASAHI REF CANADA LTD | 405.675 | 404.376 | 0.9968 | 2017 |
| 045255 | ASAHI REF INC USA    | 399.225 | 398.067 | 0.9971 | 2019 |
| 045256 | ASAHI REF CANADA LTD | 410.600 | 409.286 | 0.9968 | 2017 |
| 045256 | ASAHI REF INC USA    | 425.775 | 424.540 | 0.9971 | 2019 |
| 045257 | ASAHI REF CANADA LTD | 398.900 | 397.623 | 0.9968 | 2017 |
| 045257 | ASAHI REF INC USA    | 397.875 | 396.721 | 0.9971 | 2019 |
| 045258 | ASAHI REF CANADA LTD | 402.550 | 401.302 | 0.9969 | 2017 |
| 045259 | ASAHI REF CANADA LTD | 403.225 | 401.975 | 0.9969 | 2017 |
| 045259 | ASAHI REF INC USA    | 408.175 | 406.991 | 0.9971 | 2019 |
| 045260 | ASAHI REF CANADA LTD | 399.225 | 397.987 | 0.9969 | 2017 |
| 045261 | ASAHI REF CANADA LTD | 402.125 | 400.878 | 0.9969 | 2017 |
| 045262 | ASAHI REF CANADA LTD | 408.700 | 407.433 | 0.9969 | 2017 |
| 045263 | ASAHI REF CANADA LTD | 393.075 | 391.856 | 0.9969 | 2017 |
| 045264 | ASAHI REF CANADA LTD | 406.225 | 404.965 | 0.9969 | 2017 |
| 045265 | ASAHI REF CANADA LTD | 406.575 | 405.314 | 0.9969 | 2017 |
| 045266 | ASAHI REF CANADA LTD | 414.475 | 413.190 | 0.9969 | 2017 |
| 045267 | ASAHI REF CANADA LTD | 399.150 | 397.912 | 0.9969 | 2017 |
| 045268 | ASAHI REF CANADA LTD | 402.750 | 401.501 | 0.9969 | 2017 |
| 045269 | ASAHI REF CANADA LTD | 398.450 | 397.214 | 0.9969 | 2017 |
| 045270 | ASAHI REF CANADA LTD | 406.025 | 404.725 | 0.9968 | 2017 |
| 045271 | ASAHI REF CANADA LTD | 405.025 | 403.729 | 0.9968 | 2017 |
| 045272 | ASAHI REF CANADA LTD | 396.150 | 394.882 | 0.9968 | 2017 |
| 045273 | ASAHI REF CANADA LTD | 420.300 | 418.955 | 0.9968 | 2017 |
| 045274 | ASAHI REF CANADA LTD | 416.575 | 415.242 | 0.9968 | 2017 |
| 045301 | ASAHI REF INC USA    | 410.375 | 409.308 | 0.9974 | 2019 |
| 045302 | ASAHI REF INC USA    | 412.925 | 411.851 | 0.9974 | 2019 |



|        |                   |         |         |        |      |
|--------|-------------------|---------|---------|--------|------|
| 045303 | ASAHI REF INC USA | 394.500 | 393.474 | 0.9974 | 2019 |
| 045304 | ASAHI REF INC USA | 410.300 | 409.233 | 0.9974 | 2019 |
| 045305 | ASAHI REF INC USA | 411.825 | 410.754 | 0.9974 | 2019 |
| 045306 | ASAHI REF INC USA | 418.925 | 417.835 | 0.9974 | 2019 |
| 045307 | ASAHI REF INC USA | 421.675 | 420.367 | 0.9969 | 2019 |
| 045308 | ASAHI REF INC USA | 409.450 | 408.180 | 0.9969 | 2019 |
| 045309 | ASAHI REF INC USA | 416.200 | 414.909 | 0.9969 | 2019 |
| 045310 | ASAHI REF INC USA | 427.325 | 426.000 | 0.9969 | 2019 |
| 045312 | ASAHI REF INC USA | 387.475 | 386.273 | 0.9969 | 2019 |
| 045314 | ASAHI REF INC USA | 407.375 | 405.990 | 0.9966 | 2019 |
| 045315 | ASAHI REF INC USA | 408.125 | 406.737 | 0.9966 | 2019 |
| 045316 | ASAHI REF INC USA | 392.325 | 390.991 | 0.9966 | 2019 |
| 045317 | ASAHI REF INC USA | 422.100 | 420.664 | 0.9966 | 2019 |
| 045318 | ASAHI REF INC USA | 403.775 | 402.402 | 0.9966 | 2019 |
| 045319 | ASAHI REF INC USA | 417.850 | 416.429 | 0.9966 | 2019 |
| 045320 | ASAHI REF INC USA | 398.925 | 397.449 | 0.9963 | 2019 |
| 045321 | ASAHI REF INC USA | 394.175 | 392.716 | 0.9963 | 2019 |
| 045323 | ASAHI REF INC USA | 421.100 | 419.542 | 0.9963 | 2019 |
| 046098 | ASAHI REF INC USA | 420.050 | 418.705 | 0.9968 | 2019 |
| 046099 | ASAHI REF INC USA | 404.175 | 402.881 | 0.9968 | 2019 |
| 046100 | ASAHI REF INC USA | 403.725 | 402.433 | 0.9968 | 2019 |
| 046101 | ASAHI REF INC USA | 407.800 | 406.495 | 0.9968 | 2019 |
| 046102 | ASAHI REF INC USA | 390.175 | 388.926 | 0.9968 | 2019 |
| 046103 | ASAHI REF INC USA | 406.350 | 405.049 | 0.9968 | 2019 |
| 046104 | ASAHI REF INC USA | 400.150 | 398.869 | 0.9968 | 2019 |
| 046105 | ASAHI REF INC USA | 387.575 | 386.334 | 0.9968 | 2019 |
| 046106 | ASAHI REF INC USA | 384.650 | 383.419 | 0.9968 | 2019 |
| 046107 | ASAHI REF INC USA | 388.800 | 387.555 | 0.9968 | 2019 |
| 046108 | ASAHI REF INC USA | 403.575 | 402.283 | 0.9968 | 2019 |
| 046109 | ASAHI REF INC USA | 394.325 | 393.063 | 0.9968 | 2019 |
| 046110 | ASAHI REF INC USA | 404.325 | 403.031 | 0.9968 | 2019 |
| 046111 | ASAHI REF INC USA | 411.600 | 410.282 | 0.9968 | 2019 |
| 046112 | ASAHI REF INC USA | 387.550 | 386.309 | 0.9968 | 2019 |
| 046113 | ASAHI REF INC USA | 384.800 | 383.222 | 0.9959 | 2019 |
| 046115 | ASAHI REF INC USA | 405.250 | 403.588 | 0.9959 | 2019 |
| 046116 | ASAHI REF INC USA | 409.325 | 407.646 | 0.9959 | 2019 |
| 046117 | ASAHI REF INC USA | 396.775 | 395.148 | 0.9959 | 2019 |
| 046118 | ASAHI REF INC USA | 396.550 | 394.924 | 0.9959 | 2019 |
| 046119 | ASAHI REF INC USA | 407.125 | 405.455 | 0.9959 | 2019 |
| 046413 | ASAHI REF INC USA | 404.525 | 402.623 | 0.9953 | 2019 |
| 046414 | ASAHI REF INC USA | 390.000 | 388.167 | 0.9953 | 2019 |
| 046415 | ASAHI REF INC USA | 407.100 | 405.186 | 0.9953 | 2019 |
| 046416 | ASAHI REF INC USA | 410.550 | 408.620 | 0.9953 | 2019 |
| 046417 | ASAHI REF INC USA | 413.675 | 411.730 | 0.9953 | 2019 |
| 046431 | ASAHI REF INC USA | 414.600 | 412.900 | 0.9959 | 2019 |
| 046432 | ASAHI REF INC USA | 391.575 | 389.969 | 0.9959 | 2019 |
| 046433 | ASAHI REF INC USA | 399.050 | 397.413 | 0.9959 | 2019 |
| 046434 | ASAHI REF INC USA | 408.250 | 406.576 | 0.9959 | 2019 |
| 046435 | ASAHI REF INC USA | 408.300 | 406.626 | 0.9959 | 2019 |
| 046436 | ASAHI REF INC USA | 429.275 | 427.729 | 0.9964 | 2019 |

|        |                   |         |         |        |      |
|--------|-------------------|---------|---------|--------|------|
| 046437 | ASAHI REF INC USA | 402.025 | 400.577 | 0.9964 | 2019 |
| 046438 | ASAHI REF INC USA | 395.650 | 394.225 | 0.9964 | 2019 |
| 046439 | ASAHI REF INC USA | 415.150 | 413.655 | 0.9964 | 2019 |
| 046440 | ASAHI REF INC USA | 407.900 | 406.431 | 0.9964 | 2019 |
| 046441 | ASAHI REF INC USA | 403.900 | 402.284 | 0.9960 | 2019 |
| 046442 | ASAHI REF INC USA | 388.675 | 387.120 | 0.9960 | 2019 |
| 046443 | ASAHI REF INC USA | 389.100 | 387.543 | 0.9960 | 2019 |
| 046444 | ASAHI REF INC USA | 396.825 | 395.237 | 0.9960 | 2019 |
| 046445 | ASAHI REF INC USA | 372.050 | 370.561 | 0.9960 | 2019 |
| 046446 | ASAHI REF INC USA | 392.300 | 390.730 | 0.9960 | 2019 |
| 046447 | ASAHI REF INC USA | 396.175 | 394.590 | 0.9960 | 2019 |
| 046449 | ASAHI REF INC USA | 412.400 | 410.874 | 0.9963 | 2019 |
| 046450 | ASAHI REF INC USA | 399.700 | 398.221 | 0.9963 | 2019 |
| 046451 | ASAHI REF INC USA | 389.250 | 387.809 | 0.9963 | 2019 |
| 046452 | ASAHI REF INC USA | 417.800 | 416.254 | 0.9963 | 2019 |
| 046454 | ASAHI REF INC USA | 396.175 | 394.709 | 0.9963 | 2019 |
| 046455 | ASAHI REF INC USA | 400.950 | 399.466 | 0.9963 | 2019 |
| 046456 | ASAHI REF INC USA | 402.725 | 401.235 | 0.9963 | 2019 |
| 046458 | ASAHI REF INC USA | 404.750 | 403.050 | 0.9958 | 2019 |
| 046460 | ASAHI REF INC USA | 378.225 | 376.636 | 0.9958 | 2019 |
| 046461 | ASAHI REF INC USA | 397.750 | 396.079 | 0.9958 | 2019 |
| 046465 | ASAHI REF INC USA | 410.950 | 409.388 | 0.9962 | 2019 |
| 046467 | ASAHI REF INC USA | 394.475 | 392.976 | 0.9962 | 2019 |
| 046468 | ASAHI REF INC USA | 394.500 | 393.001 | 0.9962 | 2019 |
| 046469 | ASAHI REF INC USA | 395.275 | 393.773 | 0.9962 | 2019 |
| 046470 | ASAHI REF INC USA | 396.525 | 395.018 | 0.9962 | 2019 |
| 047170 | ASAHI REF INC USA | 409.125 | 408.225 | 0.9978 | 2019 |
| 047584 | ASAHI REF INC USA | 412.375 | 411.179 | 0.9971 | 2019 |
| 047585 | ASAHI REF INC USA | 420.925 | 419.704 | 0.9971 | 2019 |
| 047586 | ASAHI REF INC USA | 415.675 | 414.469 | 0.9971 | 2019 |
| 047587 | ASAHI REF INC USA | 398.125 | 396.970 | 0.9971 | 2019 |
| 047588 | ASAHI REF INC USA | 425.800 | 424.565 | 0.9971 | 2019 |
| 047589 | ASAHI REF INC USA | 403.925 | 402.753 | 0.9971 | 2019 |
| 047701 | ASAHI REF INC USA | 381.125 | 380.172 | 0.9975 | 2019 |
| 047702 | ASAHI REF INC USA | 376.450 | 375.508 | 0.9975 | 2019 |
| 047703 | ASAHI REF INC USA | 378.775 | 377.828 | 0.9975 | 2019 |
| 047704 | ASAHI REF INC USA | 374.025 | 373.090 | 0.9975 | 2019 |
| 047705 | ASAHI REF INC USA | 382.900 | 381.942 | 0.9975 | 2019 |
| 047706 | ASAHI REF INC USA | 382.000 | 381.045 | 0.9975 | 2019 |
| 047707 | ASAHI REF INC USA | 400.125 | 399.044 | 0.9973 | 2019 |
| 047708 | ASAHI REF INC USA | 393.050 | 391.988 | 0.9973 | 2019 |
| 047710 | ASAHI REF INC USA | 373.875 | 372.865 | 0.9973 | 2019 |
| 047711 | ASAHI REF INC USA | 375.425 | 374.411 | 0.9973 | 2019 |
| 047714 | ASAHI REF INC USA | 411.250 | 410.962 | 0.9993 | 2019 |
| 047715 | ASAHI REF INC USA | 399.675 | 399.395 | 0.9993 | 2019 |
| 047716 | ASAHI REF INC USA | 407.800 | 407.514 | 0.9993 | 2019 |
| 047717 | ASAHI REF INC USA | 396.250 | 395.972 | 0.9993 | 2019 |
| 047718 | ASAHI REF INC USA | 387.100 | 386.829 | 0.9993 | 2019 |
| 047726 | ASAHI REF INC USA | 409.500 | 408.967 | 0.9987 | 2019 |
| 047727 | ASAHI REF INC USA | 408.025 | 407.494 | 0.9987 | 2019 |

|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 047728 | ASAHI REF INC USA    | 407.750 | 407.220 | 0.9987 | 2019 |
| 047729 | ASAHI REF INC USA    | 403.025 | 402.501 | 0.9987 | 2019 |
| 047730 | ASAHI REF INC USA    | 400.850 | 400.328 | 0.9987 | 2019 |
| 047814 | ASAHI REF INC USA    | 395.525 | 394.931 | 0.9985 | 2019 |
| 048188 | ASAHI REF CANADA LTD | 397.150 | 395.720 | 0.9964 | 2017 |
| 048189 | ASAHI REF CANADA LTD | 403.400 | 401.947 | 0.9964 | 2017 |
| 048190 | ASAHI REF CANADA LTD | 400.900 | 399.456 | 0.9964 | 2017 |
| 048191 | ASAHI REF CANADA LTD | 403.025 | 401.574 | 0.9964 | 2017 |
| 048192 | ASAHI REF CANADA LTD | 416.500 | 415.000 | 0.9964 | 2017 |
| 048193 | ASAHI REF CANADA LTD | 413.075 | 411.588 | 0.9964 | 2017 |
| 048194 | ASAHI REF CANADA LTD | 399.475 | 398.036 | 0.9964 | 2017 |
| 048195 | ASAHI REF CANADA LTD | 401.225 | 399.780 | 0.9964 | 2017 |
| 048196 | ASAHI REF CANADA LTD | 396.000 | 394.574 | 0.9964 | 2017 |
| 048197 | ASAHI REF CANADA LTD | 405.300 | 403.841 | 0.9964 | 2017 |
| 048198 | ASAHI REF CANADA LTD | 411.575 | 410.093 | 0.9964 | 2017 |
| 048199 | ASAHI REF CANADA LTD | 387.275 | 385.880 | 0.9964 | 2017 |
| 050700 | ASAHI REF CANADA LTD | 411.625 | 411.583 | 0.9999 | 2017 |
| 050701 | ASAHI REF CANADA LTD | 387.600 | 387.561 | 0.9999 | 2017 |
| 050702 | ASAHI REF CANADA LTD | 419.475 | 419.433 | 0.9999 | 2017 |
| 050703 | ASAHI REF CANADA LTD | 394.300 | 394.260 | 0.9999 | 2017 |
| 050704 | ASAHI REF CANADA LTD | 398.525 | 397.608 | 0.9977 | 2017 |
| 050705 | ASAHI REF CANADA LTD | 414.400 | 413.446 | 0.9977 | 2017 |
| 050706 | ASAHI REF CANADA LTD | 394.750 | 393.842 | 0.9977 | 2017 |
| 050707 | ASAHI REF CANADA LTD | 416.325 | 415.367 | 0.9977 | 2017 |
| 050708 | ASAHI REF CANADA LTD | 421.750 | 420.780 | 0.9977 | 2017 |
| 050709 | ASAHI REF CANADA LTD | 408.575 | 407.635 | 0.9977 | 2017 |
| 050710 | ASAHI REF CANADA LTD | 413.825 | 413.742 | 0.9998 | 2017 |
| 050711 | ASAHI REF CANADA LTD | 418.275 | 418.191 | 0.9998 | 2017 |
| 050712 | ASAHI REF CANADA LTD | 387.375 | 387.297 | 0.9998 | 2017 |
| 050713 | ASAHI REF CANADA LTD | 406.675 | 406.593 | 0.9998 | 2017 |
| 050714 | ASAHI REF CANADA LTD | 393.950 | 393.871 | 0.9998 | 2017 |
| 050715 | ASAHI REF CANADA LTD | 409.625 | 409.543 | 0.9998 | 2017 |
| 050716 | ASAHI REF CANADA LTD | 398.575 | 398.495 | 0.9998 | 2017 |
| 050717 | ASAHI REF CANADA LTD | 420.175 | 420.091 | 0.9998 | 2017 |
| 050718 | ASAHI REF CANADA LTD | 416.050 | 415.966 | 0.9998 | 2017 |
| 050719 | ASAHI REF CANADA LTD | 419.575 | 419.491 | 0.9998 | 2017 |
| 050720 | ASAHI REF CANADA LTD | 429.750 | 429.664 | 0.9998 | 2017 |
| 050721 | ASAHI REF CANADA LTD | 420.950 | 420.865 | 0.9998 | 2017 |
| 050722 | ASAHI REF CANADA LTD | 400.775 | 400.694 | 0.9998 | 2017 |
| 050723 | ASAHI REF CANADA LTD | 415.225 | 415.142 | 0.9998 | 2017 |
| 050724 | ASAHI REF CANADA LTD | 398.600 | 398.520 | 0.9998 | 2017 |
| 051231 | ASAHI REF INC USA    | 406.650 | 405.674 | 0.9976 | 2019 |
| 051826 | ASAHI REF INC USA    | 414.900 | 413.738 | 0.9972 | 2019 |
| 051827 | ASAHI REF INC USA    | 404.175 | 403.043 | 0.9972 | 2019 |
| 051828 | ASAHI REF INC USA    | 385.000 | 383.922 | 0.9972 | 2019 |
| 053704 | ASAHI REF INC USA    | 416.050 | 415.259 | 0.9981 | 2019 |
| 053705 | ASAHI REF INC USA    | 410.500 | 409.720 | 0.9981 | 2019 |
| 053707 | ASAHI REF INC USA    | 410.800 | 410.019 | 0.9981 | 2019 |
| 053708 | ASAHI REF INC USA    | 418.200 | 417.405 | 0.9981 | 2019 |
| 053709 | ASAHI REF INC USA    | 405.900 | 405.128 | 0.9981 | 2019 |

|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 053710 | ASAHI REF INC USA    | 402.675 | 401.910 | 0.9981 | 2019 |
| 053711 | ASAHI REF INC USA    | 419.125 | 418.035 | 0.9974 | 2019 |
| 053712 | ASAHI REF INC USA    | 426.575 | 425.466 | 0.9974 | 2019 |
| 053713 | ASAHI REF INC USA    | 413.525 | 412.449 | 0.9974 | 2019 |
| 053715 | ASAHI REF INC USA    | 419.150 | 418.060 | 0.9974 | 2019 |
| 053716 | ASAHI REF INC USA    | 394.750 | 393.723 | 0.9974 | 2019 |
| 053718 | ASAHI REF INC USA    | 418.150 | 417.062 | 0.9974 | 2019 |
| 053719 | ASAHI REF INC USA    | 409.550 | 408.403 | 0.9972 | 2019 |
| 053720 | ASAHI REF INC USA    | 413.100 | 411.943 | 0.9972 | 2019 |
| 053721 | ASAHI REF INC USA    | 393.300 | 392.198 | 0.9972 | 2019 |
| 053722 | ASAHI REF INC USA    | 396.475 | 395.364 | 0.9972 | 2019 |
| 053723 | ASAHI REF INC USA    | 400.025 | 398.905 | 0.9972 | 2019 |
| 053724 | ASAHI REF INC USA    | 418.750 | 417.577 | 0.9972 | 2019 |
| 053725 | ASAHI REF INC USA    | 397.525 | 396.412 | 0.9972 | 2019 |
| 053726 | ASAHI REF INC USA    | 423.925 | 422.738 | 0.9972 | 2019 |
| 053730 | ASAHI REF INC USA    | 391.250 | 390.232 | 0.9974 | 2019 |
| 053731 | ASAHI REF INC USA    | 395.000 | 393.973 | 0.9974 | 2019 |
| 053732 | ASAHI REF INC USA    | 383.025 | 382.029 | 0.9974 | 2019 |
| 053734 | ASAHI REF INC USA    | 427.475 | 426.363 | 0.9974 | 2019 |
| 053735 | ASAHI REF INC USA    | 398.725 | 397.648 | 0.9973 | 2019 |
| 053736 | ASAHI REF INC USA    | 407.025 | 405.926 | 0.9973 | 2019 |
| 053737 | ASAHI REF INC USA    | 414.675 | 413.555 | 0.9973 | 2019 |
| 053739 | ASAHI REF INC USA    | 385.900 | 384.858 | 0.9973 | 2019 |
| 053740 | ASAHI REF INC USA    | 398.900 | 397.823 | 0.9973 | 2019 |
| 054444 | ASAHI REF CANADA LTD | 401.300 | 400.176 | 0.9972 | 2018 |
| 054445 | ASAHI REF CANADA LTD | 407.400 | 406.259 | 0.9972 | 2018 |
| 054446 | ASAHI REF CANADA LTD | 403.975 | 402.884 | 0.9973 | 2018 |
| 054447 | ASAHI REF CANADA LTD | 398.675 | 397.598 | 0.9973 | 2018 |
| 054448 | ASAHI REF CANADA LTD | 413.100 | 411.984 | 0.9973 | 2018 |
| 054449 | ASAHI REF CANADA LTD | 417.025 | 415.899 | 0.9973 | 2018 |
| 054450 | ASAHI REF CANADA LTD | 404.925 | 403.831 | 0.9973 | 2018 |
| 054451 | ASAHI REF CANADA LTD | 423.500 | 422.356 | 0.9973 | 2018 |
| 054452 | ASAHI REF CANADA LTD | 413.175 | 412.059 | 0.9973 | 2018 |
| 054453 | ASAHI REF CANADA LTD | 409.650 | 408.544 | 0.9973 | 2018 |
| 054454 | ASAHI REF CANADA LTD | 414.125 | 413.006 | 0.9973 | 2018 |
| 054455 | ASAHI REF CANADA LTD | 419.700 | 418.566 | 0.9973 | 2018 |
| 054456 | ASAHI REF CANADA LTD | 400.850 | 399.767 | 0.9973 | 2018 |
| 054457 | ASAHI REF CANADA LTD | 409.500 | 408.394 | 0.9973 | 2018 |
| 054458 | ASAHI REF CANADA LTD | 410.700 | 409.673 | 0.9975 | 2018 |
| 054459 | ASAHI REF CANADA LTD | 404.225 | 403.214 | 0.9975 | 2018 |
| 054460 | ASAHI REF CANADA LTD | 411.950 | 410.920 | 0.9975 | 2018 |
| 054461 | ASAHI REF CANADA LTD | 407.000 | 405.982 | 0.9975 | 2018 |
| 054462 | ASAHI REF CANADA LTD | 397.450 | 396.456 | 0.9975 | 2018 |
| 054463 | ASAHI REF CANADA LTD | 406.600 | 405.583 | 0.9975 | 2018 |
| 054464 | ASAHI REF CANADA LTD | 406.600 | 405.502 | 0.9973 | 2018 |
| 054465 | ASAHI REF CANADA LTD | 426.550 | 425.398 | 0.9973 | 2018 |
| 054466 | ASAHI REF CANADA LTD | 406.650 | 405.552 | 0.9973 | 2018 |
| 054467 | ASAHI REF CANADA LTD | 418.200 | 417.070 | 0.9973 | 2018 |
| 054468 | ASAHI REF CANADA LTD | 409.500 | 408.394 | 0.9973 | 2018 |
| 054469 | ASAHI REF CANADA LTD | 419.800 | 418.876 | 0.9978 | 2018 |

|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 054470 | ASAHI REF CANADA LTD | 404.450 | 403.560 | 0.9978 | 2018 |
| 054471 | ASAHI REF CANADA LTD | 408.650 | 407.751 | 0.9978 | 2018 |
| 054472 | ASAHI REF CANADA LTD | 412.900 | 411.991 | 0.9978 | 2018 |
| 054473 | ASAHI REF CANADA LTD | 411.225 | 410.320 | 0.9978 | 2018 |
| 054474 | ASAHI REF CANADA LTD | 395.250 | 394.617 | 0.9984 | 2018 |
| 054475 | ASAHI REF CANADA LTD | 421.525 | 420.850 | 0.9984 | 2018 |
| 054476 | ASAHI REF CANADA LTD | 406.500 | 405.849 | 0.9984 | 2018 |
| 054477 | ASAHI REF CANADA LTD | 402.775 | 402.130 | 0.9984 | 2018 |
| 054478 | ASAHI REF CANADA LTD | 409.000 | 408.345 | 0.9984 | 2018 |
| 054479 | ASAHI REF CANADA LTD | 403.900 | 403.455 | 0.9989 | 2018 |
| 054480 | ASAHI REF CANADA LTD | 418.700 | 418.239 | 0.9989 | 2018 |
| 054481 | ASAHI REF CANADA LTD | 405.825 | 405.378 | 0.9989 | 2018 |
| 054482 | ASAHI REF CANADA LTD | 405.075 | 404.629 | 0.9989 | 2018 |
| 054483 | ASAHI REF CANADA LTD | 424.625 | 424.158 | 0.9989 | 2018 |
| 054484 | ASAHI REF CANADA LTD | 401.400 | 400.918 | 0.9988 | 2018 |
| 054485 | ASAHI REF CANADA LTD | 413.250 | 412.754 | 0.9988 | 2018 |
| 054486 | ASAHI REF CANADA LTD | 405.425 | 404.614 | 0.9980 | 2018 |
| 054487 | ASAHI REF CANADA LTD | 414.150 | 413.321 | 0.9980 | 2018 |
| 054488 | ASAHI REF CANADA LTD | 410.300 | 409.479 | 0.9980 | 2018 |
| 054489 | ASAHI REF CANADA LTD | 410.925 | 410.103 | 0.9980 | 2018 |
| 054490 | ASAHI REF CANADA LTD | 421.075 | 420.232 | 0.9980 | 2018 |
| 054491 | ASAHI REF CANADA LTD | 407.825 | 407.009 | 0.9980 | 2018 |
| 054492 | ASAHI REF CANADA LTD | 423.100 | 422.253 | 0.9980 | 2018 |
| 054493 | ASAHI REF CANADA LTD | 408.225 | 407.408 | 0.9980 | 2018 |
| 054494 | ASAHI REF CANADA LTD | 412.150 | 411.325 | 0.9980 | 2018 |
| 054495 | ASAHI REF CANADA LTD | 420.525 | 419.684 | 0.9980 | 2018 |
| 054496 | ASAHI REF CANADA LTD | 421.675 | 420.831 | 0.9980 | 2018 |
| 054497 | ASAHI REF CANADA LTD | 400.125 | 399.324 | 0.9980 | 2018 |
| 054498 | ASAHI REF CANADA LTD | 407.125 | 406.351 | 0.9981 | 2018 |
| 054499 | ASAHI REF CANADA LTD | 393.350 | 392.602 | 0.9981 | 2018 |
| 054500 | ASAHI REF CANADA LTD | 413.875 | 413.088 | 0.9981 | 2018 |
| 054501 | ASAHI REF CANADA LTD | 399.700 | 398.940 | 0.9981 | 2018 |
| 054502 | ASAHI REF CANADA LTD | 421.250 | 420.449 | 0.9981 | 2018 |
| 054503 | ASAHI REF CANADA LTD | 413.550 | 412.764 | 0.9981 | 2018 |
| 054504 | ASAHI REF CANADA LTD | 411.575 | 410.793 | 0.9981 | 2018 |
| 054505 | ASAHI REF CANADA LTD | 406.075 | 405.303 | 0.9981 | 2018 |
| 054506 | ASAHI REF CANADA LTD | 415.800 | 415.010 | 0.9981 | 2018 |
| 054507 | ASAHI REF CANADA LTD | 399.550 | 398.790 | 0.9981 | 2018 |
| 054508 | ASAHI REF CANADA LTD | 411.200 | 410.418 | 0.9981 | 2018 |
| 054509 | ASAHI REF CANADA LTD | 401.050 | 400.328 | 0.9982 | 2018 |
| 054510 | ASAHI REF CANADA LTD | 417.700 | 416.948 | 0.9982 | 2018 |
| 054511 | ASAHI REF CANADA LTD | 405.225 | 404.495 | 0.9982 | 2018 |
| 054512 | ASAHI REF CANADA LTD | 394.950 | 394.239 | 0.9982 | 2018 |
| 054513 | ASAHI REF CANADA LTD | 420.525 | 419.768 | 0.9982 | 2018 |
| 054514 | ASAHI REF CANADA LTD | 410.700 | 409.960 | 0.9982 | 2018 |
| 054515 | ASAHI REF CANADA LTD | 407.600 | 406.418 | 0.9971 | 2018 |
| 054516 | ASAHI REF CANADA LTD | 405.175 | 404.000 | 0.9971 | 2018 |
| 054517 | ASAHI REF CANADA LTD | 423.850 | 422.620 | 0.9971 | 2018 |
| 054518 | ASAHI REF CANADA LTD | 405.050 | 403.875 | 0.9971 | 2018 |
| 054519 | ASAHI REF CANADA LTD | 410.425 | 409.234 | 0.9971 | 2018 |

|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 054520 | ASAHI REF CANADA LTD | 395.975 | 394.826 | 0.9971 | 2018 |
| 054526 | ASAHI REF CANADA LTD | 416.875 | 415.666 | 0.9971 | 2018 |
| 054527 | ASAHI REF CANADA LTD | 421.625 | 420.402 | 0.9971 | 2018 |
| 054528 | ASAHI REF CANADA LTD | 404.800 | 403.626 | 0.9971 | 2018 |
| 054529 | ASAHI REF CANADA LTD | 425.850 | 424.615 | 0.9971 | 2018 |
| 054530 | ASAHI REF CANADA LTD | 418.200 | 416.987 | 0.9971 | 2018 |
| 054531 | ASAHI REF CANADA LTD | 412.050 | 410.855 | 0.9971 | 2018 |
| 054532 | ASAHI REF CANADA LTD | 398.375 | 397.179 | 0.9970 | 2018 |
| 054533 | ASAHI REF CANADA LTD | 402.625 | 401.417 | 0.9970 | 2018 |
| 054534 | ASAHI REF CANADA LTD | 413.375 | 412.134 | 0.9970 | 2018 |
| 054535 | ASAHI REF CANADA LTD | 420.150 | 418.889 | 0.9970 | 2018 |
| 054536 | ASAHI REF CANADA LTD | 402.525 | 401.317 | 0.9970 | 2018 |
| 054537 | ASAHI REF CANADA LTD | 420.125 | 418.864 | 0.9970 | 2018 |
| 054538 | ASAHI REF CANADA LTD | 404.300 | 403.208 | 0.9973 | 2018 |
| 054539 | ASAHI REF CANADA LTD | 411.950 | 410.837 | 0.9973 | 2018 |
| 054540 | ASAHI REF CANADA LTD | 409.900 | 408.793 | 0.9973 | 2018 |
| 054541 | ASAHI REF CANADA LTD | 390.350 | 389.296 | 0.9973 | 2018 |
| 054542 | ASAHI REF CANADA LTD | 416.050 | 414.926 | 0.9973 | 2018 |
| 054543 | ASAHI REF CANADA LTD | 417.875 | 416.746 | 0.9973 | 2018 |
| 054544 | ASAHI REF CANADA LTD | 418.150 | 417.104 | 0.9975 | 2018 |
| 054545 | ASAHI REF CANADA LTD | 425.425 | 424.361 | 0.9975 | 2018 |
| 054546 | ASAHI REF CANADA LTD | 402.950 | 401.942 | 0.9975 | 2018 |
| 054547 | ASAHI REF CANADA LTD | 403.500 | 402.491 | 0.9975 | 2018 |
| 054548 | ASAHI REF CANADA LTD | 426.025 | 424.960 | 0.9975 | 2018 |
| 054549 | ASAHI REF CANADA LTD | 424.775 | 423.713 | 0.9975 | 2018 |
| 054550 | ASAHI REF CANADA LTD | 408.500 | 407.438 | 0.9974 | 2018 |
| 054551 | ASAHI REF CANADA LTD | 404.275 | 403.223 | 0.9974 | 2018 |
| 054552 | ASAHI REF CANADA LTD | 419.300 | 418.209 | 0.9974 | 2018 |
| 054553 | ASAHI REF CANADA LTD | 422.625 | 421.526 | 0.9974 | 2018 |
| 055286 | ASAHI REF INC USA    | 397.375 | 396.620 | 0.9981 | 2019 |
| 055287 | ASAHI REF INC USA    | 404.025 | 403.257 | 0.9981 | 2019 |
| 055289 | ASAHI REF INC USA    | 403.500 | 402.733 | 0.9981 | 2019 |
| 055290 | ASAHI REF INC USA    | 390.475 | 389.733 | 0.9981 | 2019 |
| 055291 | ASAHI REF INC USA    | 416.750 | 415.958 | 0.9981 | 2019 |
| 055292 | ASAHI REF INC USA    | 399.400 | 398.641 | 0.9981 | 2019 |
| 055293 | ASAHI REF INC USA    | 405.450 | 404.679 | 0.9981 | 2019 |
| 055294 | ASAHI REF INC USA    | 384.275 | 383.583 | 0.9982 | 2019 |
| 055295 | ASAHI REF INC USA    | 402.600 | 401.875 | 0.9982 | 2019 |
| 055296 | ASAHI REF INC USA    | 383.675 | 382.984 | 0.9982 | 2019 |
| 055297 | ASAHI REF INC USA    | 372.600 | 371.929 | 0.9982 | 2019 |
| 055298 | ASAHI REF INC USA    | 375.825 | 375.148 | 0.9982 | 2019 |
| 055300 | ASAHI REF INC USA    | 384.075 | 383.383 | 0.9982 | 2019 |
| 055301 | ASAHI REF INC USA    | 396.575 | 395.861 | 0.9982 | 2019 |
| 055302 | ASAHI REF INC USA    | 402.500 | 401.815 | 0.9983 | 2019 |
| 055303 | ASAHI REF INC USA    | 384.300 | 383.646 | 0.9983 | 2019 |
| 055304 | ASAHI REF INC USA    | 389.500 | 388.837 | 0.9983 | 2019 |
| 055305 | ASAHI REF INC USA    | 387.550 | 386.891 | 0.9983 | 2019 |
| 055306 | ASAHI REF INC USA    | 406.625 | 405.933 | 0.9983 | 2019 |
| 055307 | ASAHI REF INC USA    | 387.300 | 386.641 | 0.9983 | 2019 |
| 055308 | ASAHI REF INC USA    | 375.025 | 374.387 | 0.9983 | 2019 |



|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 055309 | ASAHI REF INC USA    | 409.300 | 408.604 | 0.9983 | 2019 |
| 055311 | ASAHI REF INC USA    | 392.050 | 391.501 | 0.9986 | 2019 |
| 055312 | ASAHI REF INC USA    | 382.400 | 381.864 | 0.9986 | 2019 |
| 055314 | ASAHI REF INC USA    | 378.575 | 378.045 | 0.9986 | 2019 |
| 055315 | ASAHI REF INC USA    | 410.500 | 409.925 | 0.9986 | 2019 |
| 055316 | ASAHI REF INC USA    | 394.175 | 393.623 | 0.9986 | 2019 |
| 055318 | ASAHI REF INC USA    | 383.850 | 383.005 | 0.9978 | 2019 |
| 055319 | ASAHI REF INC USA    | 405.350 | 404.458 | 0.9978 | 2019 |
| 055320 | ASAHI REF INC USA    | 392.700 | 391.836 | 0.9978 | 2019 |
| 055321 | ASAHI REF INC USA    | 396.475 | 395.602 | 0.9978 | 2019 |
| 055322 | ASAHI REF INC USA    | 378.400 | 377.567 | 0.9978 | 2019 |
| 055323 | ASAHI REF INC USA    | 418.600 | 417.679 | 0.9978 | 2019 |
| 055324 | ASAHI REF INC USA    | 410.900 | 409.996 | 0.9978 | 2019 |
| 055325 | ASAHI REF INC USA    | 413.025 | 412.116 | 0.9978 | 2019 |
| 055328 | ASAHI REF INC USA    | 385.125 | 383.892 | 0.9968 | 2019 |
| 055329 | ASAHI REF INC USA    | 376.225 | 375.021 | 0.9968 | 2019 |
| 055330 | ASAHI REF INC USA    | 394.700 | 393.437 | 0.9968 | 2019 |
| 055331 | ASAHI REF INC USA    | 405.700 | 404.401 | 0.9968 | 2019 |
| 055332 | ASAHI REF INC USA    | 398.925 | 397.648 | 0.9968 | 2019 |
| 055333 | ASAHI REF INC USA    | 389.975 | 388.727 | 0.9968 | 2019 |
| 055334 | ASAHI REF INC USA    | 402.725 | 401.436 | 0.9968 | 2019 |
| 055335 | ASAHI REF INC USA    | 388.125 | 386.883 | 0.9968 | 2019 |
| 055336 | ASAHI REF INC USA    | 400.450 | 399.168 | 0.9968 | 2019 |
| 055337 | ASAHI REF INC USA    | 381.825 | 380.603 | 0.9968 | 2019 |
| 055338 | ASAHI REF INC USA    | 410.300 | 408.987 | 0.9968 | 2019 |
| 055339 | ASAHI REF INC USA    | 383.075 | 381.849 | 0.9968 | 2019 |
| 055340 | ASAHI REF INC USA    | 410.400 | 409.086 | 0.9968 | 2019 |
| 055341 | ASAHI REF INC USA    | 397.400 | 396.128 | 0.9968 | 2019 |
| 055342 | ASAHI REF INC USA    | 408.800 | 407.369 | 0.9965 | 2019 |
| 055343 | ASAHI REF INC USA    | 382.625 | 381.285 | 0.9965 | 2019 |
| 055344 | ASAHI REF INC USA    | 397.800 | 396.407 | 0.9965 | 2019 |
| 055345 | ASAHI REF INC USA    | 386.425 | 385.072 | 0.9965 | 2019 |
| 055346 | ASAHI REF INC USA    | 398.575 | 397.180 | 0.9965 | 2019 |
| 055347 | ASAHI REF INC USA    | 388.650 | 387.289 | 0.9965 | 2019 |
| 055348 | ASAHI REF INC USA    | 418.300 | 416.836 | 0.9965 | 2019 |
| 055350 | ASAHI REF INC USA    | 400.775 | 399.332 | 0.9964 | 2019 |
| 055351 | ASAHI REF INC USA    | 376.425 | 375.069 | 0.9964 | 2019 |
| 055352 | ASAHI REF INC USA    | 402.350 | 400.901 | 0.9964 | 2019 |
| 055353 | ASAHI REF INC USA    | 382.225 | 380.849 | 0.9964 | 2019 |
| 055354 | ASAHI REF INC USA    | 401.375 | 399.930 | 0.9964 | 2019 |
| 055355 | ASAHI REF INC USA    | 385.700 | 384.311 | 0.9964 | 2019 |
| 055356 | ASAHI REF INC USA    | 414.775 | 413.281 | 0.9964 | 2019 |
| 056319 | ASAHI REF CANADA LTD | 425.125 | 424.019 | 0.9974 | 2018 |
| 056320 | ASAHI REF CANADA LTD | 406.700 | 405.642 | 0.9974 | 2018 |
| 056321 | ASAHI REF CANADA LTD | 418.050 | 416.963 | 0.9974 | 2018 |
| 056322 | ASAHI REF CANADA LTD | 417.250 | 416.123 | 0.9973 | 2018 |
| 056323 | ASAHI REF CANADA LTD | 406.050 | 404.953 | 0.9973 | 2018 |
| 056324 | ASAHI REF CANADA LTD | 418.475 | 417.345 | 0.9973 | 2018 |
| 056325 | ASAHI REF CANADA LTD | 413.000 | 411.885 | 0.9973 | 2018 |
| 056326 | ASAHI REF CANADA LTD | 415.125 | 414.004 | 0.9973 | 2018 |

|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 056327 | ASAHI REF CANADA LTD | 419.550 | 418.417 | 0.9973 | 2018 |
| 056328 | ASAHI REF CANADA LTD | 412.625 | 411.511 | 0.9973 | 2018 |
| 056329 | ASAHI REF CANADA LTD | 413.200 | 412.084 | 0.9973 | 2018 |
| 056330 | ASAHI REF CANADA LTD | 396.450 | 395.379 | 0.9973 | 2018 |
| 056331 | ASAHI REF CANADA LTD | 406.600 | 405.502 | 0.9973 | 2018 |
| 056332 | ASAHI REF CANADA LTD | 402.825 | 401.737 | 0.9973 | 2018 |
| 056906 | ASAHI REF INC USA    | 394.825 | 394.035 | 0.9980 | 2019 |
| 056907 | ASAHI REF INC USA    | 414.625 | 413.795 | 0.9980 | 2019 |
| 056908 | ASAHI REF INC USA    | 393.750 | 392.962 | 0.9980 | 2019 |
| 056909 | ASAHI REF INC USA    | 399.525 | 398.726 | 0.9980 | 2019 |
| 056910 | ASAHI REF INC USA    | 392.000 | 391.216 | 0.9980 | 2019 |
| 056912 | ASAHI REF INC USA    | 386.400 | 385.434 | 0.9975 | 2019 |
| 056913 | ASAHI REF INC USA    | 400.225 | 399.224 | 0.9975 | 2019 |
| 056915 | ASAHI REF INC USA    | 418.775 | 417.728 | 0.9975 | 2019 |
| 056916 | ASAHI REF INC USA    | 389.875 | 388.900 | 0.9975 | 2019 |
| 056917 | ASAHI REF INC USA    | 424.100 | 423.039 | 0.9975 | 2019 |
| 056918 | ASAHI REF INC USA    | 395.550 | 394.561 | 0.9975 | 2019 |
| 056919 | ASAHI REF INC USA    | 396.900 | 395.907 | 0.9975 | 2019 |
| 056920 | ASAHI REF INC USA    | 390.000 | 388.947 | 0.9973 | 2019 |
| 056922 | ASAHI REF INC USA    | 373.800 | 372.790 | 0.9973 | 2019 |
| 056923 | ASAHI REF INC USA    | 411.875 | 410.763 | 0.9973 | 2019 |
| 056924 | ASAHI REF INC USA    | 388.475 | 387.426 | 0.9973 | 2019 |
| 056925 | ASAHI REF INC USA    | 396.750 | 395.678 | 0.9973 | 2019 |
| 056926 | ASAHI REF INC USA    | 396.300 | 395.230 | 0.9973 | 2019 |
| 056927 | ASAHI REF INC USA    | 371.200 | 369.789 | 0.9962 | 2019 |
| 056929 | ASAHI REF INC USA    | 386.750 | 385.280 | 0.9962 | 2019 |
| 056930 | ASAHI REF INC USA    | 415.900 | 414.319 | 0.9962 | 2019 |
| 056931 | ASAHI REF INC USA    | 379.975 | 378.531 | 0.9962 | 2019 |
| 056932 | ASAHI REF INC USA    | 406.075 | 404.532 | 0.9962 | 2019 |
| 056933 | ASAHI REF INC USA    | 379.650 | 378.207 | 0.9962 | 2019 |
| 056936 | ASAHI REF INC USA    | 417.825 | 416.237 | 0.9962 | 2019 |
| 056937 | ASAHI REF INC USA    | 374.575 | 373.151 | 0.9962 | 2019 |
| 056938 | ASAHI REF INC USA    | 419.600 | 418.005 | 0.9962 | 2019 |
| 056940 | ASAHI REF INC USA    | 412.775 | 411.206 | 0.9962 | 2019 |
| 057399 | ASAHI REF INC USA    | 422.200 | 422.157 | 0.9999 | 2019 |
| 057400 | ASAHI REF INC USA    | 392.700 | 392.660 | 0.9999 | 2019 |
| 057401 | ASAHI REF INC USA    | 415.750 | 415.708 | 0.9999 | 2019 |
| 057402 | ASAHI REF INC USA    | 409.500 | 409.459 | 0.9999 | 2019 |
| 057403 | ASAHI REF INC USA    | 402.925 | 402.884 | 0.9999 | 2019 |
| 057404 | ASAHI REF INC USA    | 413.775 | 413.733 | 0.9999 | 2019 |
| 057405 | ASAHI REF INC USA    | 417.925 | 417.883 | 0.9999 | 2019 |
| 057407 | ASAHI REF INC USA    | 424.525 | 424.482 | 0.9999 | 2019 |
| 057409 | ASAHI REF INC USA    | 408.075 | 408.034 | 0.9999 | 2019 |
| 057410 | ASAHI REF INC USA    | 420.275 | 420.233 | 0.9999 | 2019 |
| 057411 | ASAHI REF INC USA    | 414.000 | 413.958 | 0.9999 | 2019 |
| 057412 | ASAHI REF INC USA    | 415.775 | 415.733 | 0.9999 | 2019 |
| 057413 | ASAHI REF INC USA    | 415.475 | 415.433 | 0.9999 | 2019 |
| 057414 | ASAHI REF INC USA    | 414.625 | 414.583 | 0.9999 | 2019 |
| 057415 | ASAHI REF INC USA    | 407.425 | 407.384 | 0.9999 | 2019 |
| 057416 | ASAHI REF INC USA    | 421.450 | 421.407 | 0.9999 | 2019 |

|        |                   |         |         |        |      |
|--------|-------------------|---------|---------|--------|------|
| 057417 | ASAHI REF INC USA | 420.975 | 420.933 | 0.9999 | 2019 |
| 057418 | ASAHI REF INC USA | 419.275 | 419.233 | 0.9999 | 2019 |
| 057494 | ASAHI REF INC USA | 426.525 | 425.757 | 0.9982 | 2019 |
| 057495 | ASAHI REF INC USA | 387.550 | 386.852 | 0.9982 | 2019 |
| 057496 | ASAHI REF INC USA | 424.075 | 423.311 | 0.9982 | 2019 |
| 057497 | ASAHI REF INC USA | 416.725 | 415.974 | 0.9982 | 2019 |
| 057498 | ASAHI REF INC USA | 405.225 | 403.928 | 0.9968 | 2019 |
| 057499 | ASAHI REF INC USA | 418.475 | 417.135 | 0.9968 | 2019 |
| 057500 | ASAHI REF INC USA | 412.225 | 410.905 | 0.9968 | 2019 |
| 057501 | ASAHI REF INC USA | 404.900 | 403.604 | 0.9968 | 2019 |
| 057502 | ASAHI REF INC USA | 394.350 | 393.088 | 0.9968 | 2019 |
| 057503 | ASAHI REF INC USA | 414.700 | 413.373 | 0.9968 | 2019 |
| 057504 | ASAHI REF INC USA | 413.275 | 411.952 | 0.9968 | 2019 |
| 057505 | ASAHI REF INC USA | 422.575 | 421.222 | 0.9968 | 2019 |
| 057507 | ASAHI REF INC USA | 410.400 | 409.086 | 0.9968 | 2019 |
| 057509 | ASAHI REF INC USA | 405.700 | 404.401 | 0.9968 | 2019 |
| 057510 | ASAHI REF INC USA | 399.850 | 398.570 | 0.9968 | 2019 |
| 057511 | ASAHI REF INC USA | 408.700 | 407.392 | 0.9968 | 2019 |
| 057513 | ASAHI REF INC USA | 415.650 | 414.320 | 0.9968 | 2019 |
| 057514 | ASAHI REF INC USA | 404.900 | 403.482 | 0.9965 | 2019 |
| 057515 | ASAHI REF INC USA | 391.300 | 389.930 | 0.9965 | 2019 |
| 057516 | ASAHI REF INC USA | 409.100 | 407.668 | 0.9965 | 2019 |
| 057517 | ASAHI REF INC USA | 413.900 | 412.451 | 0.9965 | 2019 |
| 057518 | ASAHI REF INC USA | 414.375 | 412.924 | 0.9965 | 2019 |
| 057519 | ASAHI REF INC USA | 428.300 | 426.801 | 0.9965 | 2019 |
| 057521 | ASAHI REF INC USA | 399.000 | 397.563 | 0.9964 | 2019 |
| 057522 | ASAHI REF INC USA | 411.200 | 409.719 | 0.9964 | 2019 |
| 057523 | ASAHI REF INC USA | 398.550 | 397.115 | 0.9964 | 2019 |
| 057524 | ASAHI REF INC USA | 399.375 | 397.937 | 0.9964 | 2019 |
| 057525 | ASAHI REF INC USA | 406.625 | 405.161 | 0.9964 | 2019 |
| 057526 | ASAHI REF INC USA | 422.200 | 420.680 | 0.9964 | 2019 |
| 057527 | ASAHI REF INC USA | 384.325 | 382.941 | 0.9964 | 2019 |
| 057528 | ASAHI REF INC USA | 425.875 | 424.640 | 0.9971 | 2019 |
| 057529 | ASAHI REF INC USA | 397.100 | 395.948 | 0.9971 | 2019 |
| 057530 | ASAHI REF INC USA | 391.850 | 390.713 | 0.9971 | 2019 |
| 057531 | ASAHI REF INC USA | 408.600 | 407.415 | 0.9971 | 2019 |
| 057533 | ASAHI REF INC USA | 420.300 | 419.081 | 0.9971 | 2019 |
| 057534 | ASAHI REF INC USA | 408.875 | 407.852 | 0.9975 | 2019 |
| 057535 | ASAHI REF INC USA | 401.975 | 400.970 | 0.9975 | 2019 |
| 057536 | ASAHI REF INC USA | 389.350 | 388.376 | 0.9975 | 2019 |
| 057537 | ASAHI REF INC USA | 410.600 | 409.573 | 0.9975 | 2019 |
| 057538 | ASAHI REF INC USA | 419.575 | 418.526 | 0.9975 | 2019 |
| 057539 | ASAHI REF INC USA | 417.600 | 416.556 | 0.9975 | 2019 |
| 057540 | ASAHI REF INC USA | 423.100 | 422.042 | 0.9975 | 2019 |
| 057541 | ASAHI REF INC USA | 411.375 | 410.511 | 0.9979 | 2019 |
| 057542 | ASAHI REF INC USA | 408.350 | 407.492 | 0.9979 | 2019 |
| 057543 | ASAHI REF INC USA | 413.300 | 412.432 | 0.9979 | 2019 |
| 057544 | ASAHI REF INC USA | 406.500 | 405.646 | 0.9979 | 2019 |
| 057545 | ASAHI REF INC USA | 405.000 | 404.149 | 0.9979 | 2019 |
| 057546 | ASAHI REF INC USA | 407.000 | 406.145 | 0.9979 | 2019 |

|        |                   |         |         |        |      |
|--------|-------------------|---------|---------|--------|------|
| 057548 | ASAHI REF INC USA | 429.575 | 428.672 | 0.9979 | 2019 |
| 057549 | ASAHI REF INC USA | 419.525 | 418.728 | 0.9981 | 2019 |
| 057550 | ASAHI REF INC USA | 420.500 | 419.701 | 0.9981 | 2019 |
| 057551 | ASAHI REF INC USA | 419.050 | 418.253 | 0.9981 | 2019 |
| 057552 | ASAHI REF INC USA | 413.700 | 412.914 | 0.9981 | 2019 |
| 057553 | ASAHI REF INC USA | 418.350 | 417.555 | 0.9981 | 2019 |
| 057554 | ASAHI REF INC USA | 419.600 | 418.802 | 0.9981 | 2019 |
| 057557 | ASAHI REF INC USA | 411.425 | 410.314 | 0.9973 | 2019 |
| 057558 | ASAHI REF INC USA | 402.175 | 401.089 | 0.9973 | 2019 |
| 057561 | ASAHI REF INC USA | 417.300 | 416.173 | 0.9973 | 2019 |
| 057562 | ASAHI REF INC USA | 408.450 | 407.347 | 0.9973 | 2019 |
| 057563 | ASAHI REF INC USA | 409.450 | 408.467 | 0.9976 | 2019 |
| 057564 | ASAHI REF INC USA | 414.025 | 413.031 | 0.9976 | 2019 |
| 057566 | ASAHI REF INC USA | 426.150 | 425.127 | 0.9976 | 2019 |
| 057568 | ASAHI REF INC USA | 427.650 | 426.623 | 0.9976 | 2019 |
| 057569 | ASAHI REF INC USA | 411.125 | 410.015 | 0.9973 | 2019 |
| 057570 | ASAHI REF INC USA | 414.075 | 412.957 | 0.9973 | 2019 |
| 057571 | ASAHI REF INC USA | 410.200 | 409.092 | 0.9973 | 2019 |
| 057573 | ASAHI REF INC USA | 407.950 | 406.848 | 0.9973 | 2019 |
| 057574 | ASAHI REF INC USA | 417.075 | 415.948 | 0.9973 | 2019 |
| 057575 | ASAHI REF INC USA | 421.225 | 420.087 | 0.9973 | 2019 |
| 057577 | ASAHI REF INC USA | 406.325 | 404.984 | 0.9967 | 2019 |
| 057579 | ASAHI REF INC USA | 424.775 | 423.373 | 0.9967 | 2019 |
| 057581 | ASAHI REF INC USA | 423.550 | 422.152 | 0.9967 | 2019 |
| 057583 | ASAHI REF INC USA | 398.300 | 396.786 | 0.9962 | 2019 |
| 057584 | ASAHI REF INC USA | 411.625 | 410.060 | 0.9962 | 2019 |
| 057585 | ASAHI REF INC USA | 406.000 | 404.457 | 0.9962 | 2019 |
| 057586 | ASAHI REF INC USA | 410.950 | 409.388 | 0.9962 | 2019 |
| 057587 | ASAHI REF INC USA | 405.550 | 404.009 | 0.9962 | 2019 |
| 057588 | ASAHI REF INC USA | 409.475 | 407.919 | 0.9962 | 2019 |
| 057589 | ASAHI REF INC USA | 400.850 | 399.326 | 0.9962 | 2019 |
| 057590 | ASAHI REF INC USA | 407.425 | 406.121 | 0.9968 | 2019 |
| 057591 | ASAHI REF INC USA | 400.100 | 398.819 | 0.9968 | 2019 |
| 057592 | ASAHI REF INC USA | 411.275 | 409.959 | 0.9968 | 2019 |
| 057593 | ASAHI REF INC USA | 406.025 | 404.725 | 0.9968 | 2019 |
| 057594 | ASAHI REF INC USA | 408.350 | 407.043 | 0.9968 | 2019 |
| 057595 | ASAHI REF INC USA | 417.025 | 415.690 | 0.9968 | 2019 |
| 057596 | ASAHI REF INC USA | 406.725 | 405.423 | 0.9968 | 2019 |
| 057597 | ASAHI REF INC USA | 417.450 | 416.281 | 0.9972 | 2019 |
| 057598 | ASAHI REF INC USA | 385.225 | 384.146 | 0.9972 | 2019 |
| 057599 | ASAHI REF INC USA | 408.850 | 407.705 | 0.9972 | 2019 |
| 057600 | ASAHI REF INC USA | 406.300 | 404.959 | 0.9967 | 2019 |
| 057601 | ASAHI REF INC USA | 429.600 | 428.182 | 0.9967 | 2019 |
| 057602 | ASAHI REF INC USA | 411.775 | 410.416 | 0.9967 | 2019 |
| 057604 | ASAHI REF INC USA | 396.625 | 395.316 | 0.9967 | 2019 |
| 057605 | ASAHI REF INC USA | 404.250 | 402.916 | 0.9967 | 2019 |
| 057606 | ASAHI REF INC USA | 421.125 | 419.735 | 0.9967 | 2019 |
| 057607 | ASAHI REF INC USA | 425.525 | 424.120 | 0.9967 | 2019 |
| 057608 | ASAHI REF INC USA | 411.675 | 410.357 | 0.9968 | 2019 |
| 057609 | ASAHI REF INC USA | 404.925 | 403.629 | 0.9968 | 2019 |

|        |                   |         |         |        |      |
|--------|-------------------|---------|---------|--------|------|
| 057610 | ASAHI REF INC USA | 407.375 | 406.071 | 0.9968 | 2019 |
| 057611 | ASAHI REF INC USA | 412.875 | 411.553 | 0.9968 | 2019 |
| 057612 | ASAHI REF INC USA | 418.250 | 416.911 | 0.9968 | 2019 |
| 057613 | ASAHI REF INC USA | 406.650 | 405.389 | 0.9969 | 2019 |
| 057614 | ASAHI REF INC USA | 427.450 | 426.125 | 0.9969 | 2019 |
| 057615 | ASAHI REF INC USA | 420.375 | 419.071 | 0.9969 | 2019 |
| 057616 | ASAHI REF INC USA | 406.750 | 405.489 | 0.9969 | 2019 |
| 057617 | ASAHI REF INC USA | 406.975 | 405.713 | 0.9969 | 2019 |
| 057618 | ASAHI REF INC USA | 399.575 | 398.336 | 0.9969 | 2019 |
| 057620 | ASAHI REF INC USA | 419.400 | 418.058 | 0.9968 | 2019 |
| 057621 | ASAHI REF INC USA | 409.600 | 408.289 | 0.9968 | 2019 |
| 057622 | ASAHI REF INC USA | 388.000 | 386.758 | 0.9968 | 2019 |
| 057623 | ASAHI REF INC USA | 400.600 | 399.318 | 0.9968 | 2019 |
| 057624 | ASAHI REF INC USA | 427.175 | 425.808 | 0.9968 | 2019 |
| 057625 | ASAHI REF INC USA | 409.025 | 407.716 | 0.9968 | 2019 |
| 057627 | ASAHI REF INC USA | 403.075 | 402.067 | 0.9975 | 2019 |
| 057628 | ASAHI REF INC USA | 407.400 | 406.381 | 0.9975 | 2019 |
| 057630 | ASAHI REF INC USA | 396.300 | 395.309 | 0.9975 | 2019 |
| 057631 | ASAHI REF INC USA | 413.125 | 412.092 | 0.9975 | 2019 |
| 057632 | ASAHI REF INC USA | 407.450 | 406.349 | 0.9973 | 2019 |
| 057633 | ASAHI REF INC USA | 385.500 | 384.459 | 0.9973 | 2019 |
| 057634 | ASAHI REF INC USA | 407.500 | 406.399 | 0.9973 | 2019 |
| 057635 | ASAHI REF INC USA | 412.900 | 411.785 | 0.9973 | 2019 |
| 057636 | ASAHI REF INC USA | 407.250 | 406.150 | 0.9973 | 2019 |
| 057637 | ASAHI REF INC USA | 403.400 | 402.310 | 0.9973 | 2019 |
| 057638 | ASAHI REF INC USA | 410.125 | 409.017 | 0.9973 | 2019 |
| 057639 | ASAHI REF INC USA | 410.050 | 408.942 | 0.9973 | 2019 |
| 057640 | ASAHI REF INC USA | 418.100 | 416.971 | 0.9973 | 2019 |
| 057641 | ASAHI REF INC USA | 403.150 | 402.061 | 0.9973 | 2019 |
| 057642 | ASAHI REF INC USA | 419.175 | 418.043 | 0.9973 | 2019 |
| 057643 | ASAHI REF INC USA | 428.625 | 427.467 | 0.9973 | 2019 |
| 057644 | ASAHI REF INC USA | 423.625 | 422.481 | 0.9973 | 2019 |
| 057645 | ASAHI REF INC USA | 411.150 | 410.039 | 0.9973 | 2019 |
| 057646 | ASAHI REF INC USA | 408.225 | 407.122 | 0.9973 | 2019 |
| 057647 | ASAHI REF INC USA | 398.200 | 397.722 | 0.9988 | 2019 |
| 057648 | ASAHI REF INC USA | 397.675 | 397.197 | 0.9988 | 2019 |
| 057649 | ASAHI REF INC USA | 405.475 | 404.988 | 0.9988 | 2019 |
| 057650 | ASAHI REF INC USA | 406.775 | 406.286 | 0.9988 | 2019 |
| 057651 | ASAHI REF INC USA | 413.975 | 413.478 | 0.9988 | 2019 |
| 057652 | ASAHI REF INC USA | 407.375 | 406.886 | 0.9988 | 2019 |
| 057653 | ASAHI REF INC USA | 411.750 | 411.256 | 0.9988 | 2019 |
| 057654 | ASAHI REF INC USA | 413.025 | 412.529 | 0.9988 | 2019 |
| 057655 | ASAHI REF INC USA | 403.225 | 402.055 | 0.9971 | 2019 |
| 057656 | ASAHI REF INC USA | 407.100 | 405.919 | 0.9971 | 2019 |
| 057657 | ASAHI REF INC USA | 398.700 | 397.543 | 0.9971 | 2019 |
| 057658 | ASAHI REF INC USA | 423.000 | 421.773 | 0.9971 | 2019 |
| 057659 | ASAHI REF INC USA | 428.900 | 427.656 | 0.9971 | 2019 |
| 057660 | ASAHI REF INC USA | 416.100 | 414.893 | 0.9971 | 2019 |
| 057661 | ASAHI REF INC USA | 428.050 | 426.808 | 0.9971 | 2019 |
| 057662 | ASAHI REF INC USA | 402.600 | 401.553 | 0.9974 | 2019 |

|        |                   |         |         |        |      |
|--------|-------------------|---------|---------|--------|------|
| 057663 | ASAHI REF INC USA | 407.225 | 406.166 | 0.9974 | 2019 |
| 057664 | ASAHI REF INC USA | 399.025 | 397.987 | 0.9974 | 2019 |
| 057665 | ASAHI REF INC USA | 405.725 | 404.670 | 0.9974 | 2019 |
| 057666 | ASAHI REF INC USA | 404.775 | 403.722 | 0.9974 | 2019 |
| 057667 | ASAHI REF INC USA | 413.250 | 412.175 | 0.9974 | 2019 |
| 057668 | ASAHI REF INC USA | 415.575 | 414.494 | 0.9974 | 2019 |
| 057669 | ASAHI REF INC USA | 414.325 | 413.247 | 0.9974 | 2019 |
| 057670 | ASAHI REF INC USA | 403.725 | 402.958 | 0.9981 | 2019 |
| 057671 | ASAHI REF INC USA | 407.500 | 406.725 | 0.9981 | 2019 |
| 057672 | ASAHI REF INC USA | 413.475 | 412.689 | 0.9981 | 2019 |
| 057673 | ASAHI REF INC USA | 418.450 | 417.655 | 0.9981 | 2019 |
| 057674 | ASAHI REF INC USA | 427.150 | 426.338 | 0.9981 | 2019 |
| 057676 | ASAHI REF INC USA | 388.300 | 387.174 | 0.9971 | 2019 |
| 057677 | ASAHI REF INC USA | 414.725 | 413.522 | 0.9971 | 2019 |
| 057678 | ASAHI REF INC USA | 393.275 | 392.134 | 0.9971 | 2019 |
| 057679 | ASAHI REF INC USA | 413.075 | 411.877 | 0.9971 | 2019 |
| 057680 | ASAHI REF INC USA | 419.825 | 418.607 | 0.9971 | 2019 |
| 057681 | ASAHI REF INC USA | 414.350 | 413.148 | 0.9971 | 2019 |
| 057682 | ASAHI REF INC USA | 391.875 | 390.856 | 0.9974 | 2019 |
| 057683 | ASAHI REF INC USA | 388.350 | 387.340 | 0.9974 | 2019 |
| 057684 | ASAHI REF INC USA | 384.875 | 383.874 | 0.9974 | 2019 |
| 057685 | ASAHI REF INC USA | 415.400 | 414.320 | 0.9974 | 2019 |
| 057686 | ASAHI REF INC USA | 409.750 | 408.684 | 0.9974 | 2019 |
| 057687 | ASAHI REF INC USA | 426.150 | 425.042 | 0.9974 | 2019 |
| 057688 | ASAHI REF INC USA | 420.700 | 419.606 | 0.9974 | 2019 |
| 057689 | ASAHI REF INC USA | 399.375 | 398.416 | 0.9976 | 2019 |
| 057690 | ASAHI REF INC USA | 396.375 | 395.423 | 0.9976 | 2019 |
| 057691 | ASAHI REF INC USA | 408.975 | 407.993 | 0.9976 | 2019 |
| 057692 | ASAHI REF INC USA | 404.550 | 403.579 | 0.9976 | 2019 |
| 057693 | ASAHI REF INC USA | 396.700 | 395.748 | 0.9976 | 2019 |
| 057694 | ASAHI REF INC USA | 416.925 | 415.924 | 0.9976 | 2019 |
| 057695 | ASAHI REF INC USA | 398.850 | 397.892 | 0.9976 | 2019 |
| 057696 | ASAHI REF INC USA | 420.800 | 419.790 | 0.9976 | 2019 |
| 057697 | ASAHI REF INC USA | 380.625 | 379.369 | 0.9967 | 2019 |
| 057698 | ASAHI REF INC USA | 399.650 | 398.331 | 0.9967 | 2019 |
| 057699 | ASAHI REF INC USA | 410.400 | 409.045 | 0.9967 | 2019 |
| 057700 | ASAHI REF INC USA | 388.550 | 387.267 | 0.9967 | 2019 |
| 057701 | ASAHI REF INC USA | 410.475 | 409.120 | 0.9967 | 2019 |
| 057702 | ASAHI REF INC USA | 412.750 | 411.388 | 0.9967 | 2019 |
| 057703 | ASAHI REF INC USA | 411.925 | 410.565 | 0.9967 | 2019 |
| 057704 | ASAHI REF INC USA | 391.300 | 390.204 | 0.9972 | 2019 |
| 057705 | ASAHI REF INC USA | 402.875 | 401.747 | 0.9972 | 2019 |
| 057706 | ASAHI REF INC USA | 396.200 | 395.090 | 0.9972 | 2019 |
| 057707 | ASAHI REF INC USA | 390.175 | 389.082 | 0.9972 | 2019 |
| 057708 | ASAHI REF INC USA | 395.950 | 394.841 | 0.9972 | 2019 |
| 057709 | ASAHI REF INC USA | 424.400 | 423.211 | 0.9972 | 2019 |
| 057710 | ASAHI REF INC USA | 402.075 | 400.949 | 0.9972 | 2019 |
| 057711 | ASAHI REF INC USA | 389.850 | 388.719 | 0.9971 | 2019 |
| 057712 | ASAHI REF INC USA | 380.375 | 379.272 | 0.9971 | 2019 |
| 057713 | ASAHI REF INC USA | 390.950 | 389.816 | 0.9971 | 2019 |



|        |                   |         |         |        |      |
|--------|-------------------|---------|---------|--------|------|
| 057714 | ASAHI REF INC USA | 395.725 | 394.577 | 0.9971 | 2019 |
| 057715 | ASAHI REF INC USA | 411.125 | 409.932 | 0.9971 | 2019 |
| 057716 | ASAHI REF INC USA | 417.150 | 415.940 | 0.9971 | 2019 |
| 057717 | ASAHI REF INC USA | 403.250 | 402.080 | 0.9971 | 2019 |
| 057718 | ASAHI REF INC USA | 383.825 | 382.750 | 0.9972 | 2019 |
| 057719 | ASAHI REF INC USA | 408.000 | 406.857 | 0.9972 | 2019 |
| 057720 | ASAHI REF INC USA | 406.800 | 405.661 | 0.9972 | 2019 |
| 057721 | ASAHI REF INC USA | 399.575 | 398.456 | 0.9972 | 2019 |
| 057722 | ASAHI REF INC USA | 411.050 | 409.899 | 0.9972 | 2019 |
| 057723 | ASAHI REF INC USA | 410.675 | 409.525 | 0.9972 | 2019 |
| 057724 | ASAHI REF INC USA | 403.750 | 402.619 | 0.9972 | 2019 |
| 057725 | ASAHI REF INC USA | 387.925 | 386.644 | 0.9967 | 2019 |
| 057726 | ASAHI REF INC USA | 389.650 | 388.364 | 0.9967 | 2019 |
| 057727 | ASAHI REF INC USA | 395.475 | 394.170 | 0.9967 | 2019 |
| 057728 | ASAHI REF INC USA | 376.600 | 375.357 | 0.9967 | 2019 |
| 057729 | ASAHI REF INC USA | 410.100 | 408.746 | 0.9967 | 2019 |
| 057730 | ASAHI REF INC USA | 391.275 | 389.983 | 0.9967 | 2019 |
| 057731 | ASAHI REF INC USA | 417.675 | 416.296 | 0.9967 | 2019 |
| 057738 | ASAHI REF INC USA | 398.850 | 397.733 | 0.9972 | 2019 |
| 057739 | ASAHI REF INC USA | 381.850 | 380.780 | 0.9972 | 2019 |
| 057740 | ASAHI REF INC USA | 422.000 | 420.818 | 0.9972 | 2019 |
| 057741 | ASAHI REF INC USA | 426.050 | 424.857 | 0.9972 | 2019 |
| 057742 | ASAHI REF INC USA | 392.825 | 391.725 | 0.9972 | 2019 |
| 057743 | ASAHI REF INC USA | 413.750 | 412.467 | 0.9969 | 2019 |
| 057744 | ASAHI REF INC USA | 424.175 | 422.860 | 0.9969 | 2019 |
| 057745 | ASAHI REF INC USA | 411.625 | 410.349 | 0.9969 | 2019 |
| 057746 | ASAHI REF INC USA | 405.100 | 403.844 | 0.9969 | 2019 |
| 057747 | ASAHI REF INC USA | 399.725 | 398.485 | 0.9969 | 2019 |
| 057823 | ASAHI REF INC USA | 409.750 | 408.070 | 0.9959 | 2019 |
| 057824 | ASAHI REF INC USA | 424.575 | 422.834 | 0.9959 | 2019 |
| 057825 | ASAHI REF INC USA | 422.300 | 420.568 | 0.9959 | 2019 |
| 057879 | ASAHI REF INC USA | 399.000 | 398.561 | 0.9989 | 2019 |
| 057880 | ASAHI REF INC USA | 406.400 | 405.953 | 0.9989 | 2019 |
| 057881 | ASAHI REF INC USA | 413.775 | 413.319 | 0.9989 | 2019 |
| 057882 | ASAHI REF INC USA | 423.400 | 422.934 | 0.9989 | 2019 |
| 057883 | ASAHI REF INC USA | 401.800 | 400.594 | 0.9970 | 2019 |
| 057884 | ASAHI REF INC USA | 420.275 | 419.014 | 0.9970 | 2019 |
| 057885 | ASAHI REF INC USA | 411.500 | 410.265 | 0.9970 | 2019 |
| 057886 | ASAHI REF INC USA | 418.750 | 417.493 | 0.9970 | 2019 |
| 057887 | ASAHI REF INC USA | 414.500 | 413.256 | 0.9970 | 2019 |
| 057888 | ASAHI REF INC USA | 409.175 | 407.947 | 0.9970 | 2019 |
| 057889 | ASAHI REF INC USA | 420.800 | 419.537 | 0.9970 | 2019 |
| 057890 | ASAHI REF INC USA | 392.125 | 390.870 | 0.9968 | 2019 |
| 057891 | ASAHI REF INC USA | 397.100 | 395.829 | 0.9968 | 2019 |
| 057892 | ASAHI REF INC USA | 405.225 | 403.928 | 0.9968 | 2019 |
| 057893 | ASAHI REF INC USA | 406.450 | 405.149 | 0.9968 | 2019 |
| 057894 | ASAHI REF INC USA | 406.375 | 405.074 | 0.9968 | 2019 |
| 057895 | ASAHI REF INC USA | 398.050 | 396.776 | 0.9968 | 2019 |
| 057896 | ASAHI REF INC USA | 427.725 | 426.356 | 0.9968 | 2019 |
| 057897 | ASAHI REF INC USA | 407.675 | 406.655 | 0.9975 | 2019 |

|        |                   |         |         |        |      |
|--------|-------------------|---------|---------|--------|------|
| 057898 | ASAHI REF INC USA | 407.025 | 406.007 | 0.9975 | 2019 |
| 057899 | ASAHI REF INC USA | 405.675 | 404.660 | 0.9975 | 2019 |
| 057900 | ASAHI REF INC USA | 407.475 | 406.456 | 0.9975 | 2019 |
| 057901 | ASAHI REF INC USA | 401.900 | 400.895 | 0.9975 | 2019 |
| 057902 | ASAHI REF INC USA | 420.825 | 419.773 | 0.9975 | 2019 |
| 057903 | ASAHI REF INC USA | 416.725 | 415.683 | 0.9975 | 2019 |
| 057904 | ASAHI REF INC USA | 400.725 | 399.883 | 0.9979 | 2019 |
| 057905 | ASAHI REF INC USA | 404.025 | 403.176 | 0.9979 | 2019 |
| 057907 | ASAHI REF INC USA | 397.525 | 396.690 | 0.9979 | 2019 |
| 057908 | ASAHI REF INC USA | 394.150 | 393.322 | 0.9979 | 2019 |
| 057909 | ASAHI REF INC USA | 401.850 | 401.006 | 0.9979 | 2019 |
| 057910 | ASAHI REF INC USA | 420.075 | 419.192 | 0.9979 | 2019 |
| 057911 | ASAHI REF INC USA | 412.575 | 411.749 | 0.9980 | 2019 |
| 057912 | ASAHI REF INC USA | 406.275 | 405.462 | 0.9980 | 2019 |
| 057913 | ASAHI REF INC USA | 403.425 | 402.618 | 0.9980 | 2019 |
| 057914 | ASAHI REF INC USA | 408.675 | 407.857 | 0.9980 | 2019 |
| 057915 | ASAHI REF INC USA | 422.575 | 421.729 | 0.9980 | 2019 |
| 057916 | ASAHI REF INC USA | 416.025 | 415.193 | 0.9980 | 2019 |
| 057917 | ASAHI REF INC USA | 405.550 | 404.698 | 0.9979 | 2019 |
| 057918 | ASAHI REF INC USA | 410.600 | 409.737 | 0.9979 | 2019 |
| 057919 | ASAHI REF INC USA | 421.825 | 420.939 | 0.9979 | 2019 |
| 057920 | ASAHI REF INC USA | 408.050 | 407.193 | 0.9979 | 2019 |
| 057921 | ASAHI REF INC USA | 408.025 | 407.168 | 0.9979 | 2019 |
| 057922 | ASAHI REF INC USA | 422.975 | 422.086 | 0.9979 | 2019 |
| 057923 | ASAHI REF INC USA | 427.875 | 426.976 | 0.9979 | 2019 |
| 060175 | ASAHI REF INC USA | 406.900 | 405.435 | 0.9964 | 2020 |
| 060176 | ASAHI REF INC USA | 409.575 | 408.100 | 0.9964 | 2020 |
| 060177 | ASAHI REF INC USA | 386.200 | 384.809 | 0.9964 | 2020 |
| 060178 | ASAHI REF INC USA | 371.800 | 370.461 | 0.9964 | 2020 |
| 060179 | ASAHI REF INC USA | 390.125 | 388.720 | 0.9964 | 2020 |
| 060180 | ASAHI REF INC USA | 392.450 | 391.037 | 0.9964 | 2020 |
| 060181 | ASAHI REF INC USA | 403.350 | 401.898 | 0.9964 | 2020 |
| 060194 | ASAHI REF INC USA | 407.825 | 406.642 | 0.9971 | 2020 |
| 060195 | ASAHI REF INC USA | 399.850 | 398.690 | 0.9971 | 2020 |
| 060196 | ASAHI REF INC USA | 414.725 | 413.522 | 0.9971 | 2020 |
| 060197 | ASAHI REF INC USA | 398.525 | 397.369 | 0.9971 | 2020 |
| 060198 | ASAHI REF INC USA | 400.700 | 399.538 | 0.9971 | 2020 |
| 060199 | ASAHI REF INC USA | 398.575 | 397.419 | 0.9971 | 2020 |
| 060200 | ASAHI REF INC USA | 395.275 | 394.128 | 0.9971 | 2020 |
| 060202 | ASAHI REF INC USA | 397.375 | 396.500 | 0.9978 | 2020 |
| 060203 | ASAHI REF INC USA | 414.450 | 413.538 | 0.9978 | 2020 |
| 060204 | ASAHI REF INC USA | 401.825 | 400.941 | 0.9978 | 2020 |
| 060205 | ASAHI REF INC USA | 399.950 | 399.070 | 0.9978 | 2020 |
| 060206 | ASAHI REF INC USA | 394.100 | 393.233 | 0.9978 | 2020 |
| 060207 | ASAHI REF INC USA | 406.525 | 405.630 | 0.9978 | 2020 |
| 060208 | ASAHI REF INC USA | 400.650 | 399.768 | 0.9978 | 2020 |
| 060210 | ASAHI REF INC USA | 386.450 | 385.136 | 0.9966 | 2020 |
| 060211 | ASAHI REF INC USA | 386.550 | 385.235 | 0.9966 | 2020 |
| 060212 | ASAHI REF INC USA | 402.650 | 401.281 | 0.9966 | 2020 |
| 060214 | ASAHI REF INC USA | 380.700 | 379.405 | 0.9966 | 2020 |

|        |                   |         |         |        |      |
|--------|-------------------|---------|---------|--------|------|
| 060216 | ASAHI REF INC USA | 392.000 | 390.706 | 0.9967 | 2020 |
| 060217 | ASAHI REF INC USA | 375.825 | 374.584 | 0.9967 | 2020 |
| 060218 | ASAHI REF INC USA | 376.700 | 375.456 | 0.9967 | 2020 |
| 060219 | ASAHI REF INC USA | 392.550 | 391.254 | 0.9967 | 2020 |
| 060220 | ASAHI REF INC USA | 416.450 | 415.075 | 0.9967 | 2020 |
| 060222 | ASAHI REF INC USA | 381.275 | 379.978 | 0.9966 | 2020 |
| 060223 | ASAHI REF INC USA | 399.500 | 398.141 | 0.9966 | 2020 |
| 060224 | ASAHI REF INC USA | 378.900 | 377.611 | 0.9966 | 2020 |
| 060225 | ASAHI REF INC USA | 411.750 | 410.350 | 0.9966 | 2020 |
| 060226 | ASAHI REF INC USA | 389.800 | 388.474 | 0.9966 | 2020 |
| 061741 | ASAHI REF INC USA | 390.700 | 389.723 | 0.9975 | 2020 |
| 061742 | ASAHI REF INC USA | 399.750 | 398.750 | 0.9975 | 2020 |
| 061743 | ASAHI REF INC USA | 395.900 | 394.910 | 0.9975 | 2020 |
| 061744 | ASAHI REF INC USA | 394.750 | 393.763 | 0.9975 | 2020 |
| 061745 | ASAHI REF INC USA | 387.325 | 386.356 | 0.9975 | 2020 |
| 061746 | ASAHI REF INC USA | 407.975 | 406.955 | 0.9975 | 2020 |
| 061747 | ASAHI REF INC USA | 418.075 | 417.029 | 0.9975 | 2020 |
| 061748 | ASAHI REF INC USA | 423.550 | 422.152 | 0.9967 | 2020 |
| 061749 | ASAHI REF INC USA | 427.225 | 425.815 | 0.9967 | 2020 |
| 061750 | ASAHI REF INC USA | 411.950 | 410.590 | 0.9967 | 2020 |
| 061751 | ASAHI REF INC USA | 413.550 | 412.185 | 0.9967 | 2020 |
| 061752 | ASAHI REF INC USA | 408.675 | 407.326 | 0.9967 | 2020 |
| 061753 | ASAHI REF INC USA | 404.350 | 403.015 | 0.9967 | 2020 |
| 061754 | ASAHI REF INC USA | 403.025 | 401.695 | 0.9967 | 2020 |
| 061755 | ASAHI REF INC USA | 393.625 | 392.326 | 0.9967 | 2020 |
| 061756 | ASAHI REF INC USA | 390.475 | 389.537 | 0.9976 | 2020 |
| 061757 | ASAHI REF INC USA | 393.175 | 392.231 | 0.9976 | 2020 |
| 061758 | ASAHI REF INC USA | 400.575 | 399.613 | 0.9976 | 2020 |
| 061759 | ASAHI REF INC USA | 407.450 | 406.472 | 0.9976 | 2020 |
| 061760 | ASAHI REF INC USA | 406.175 | 405.200 | 0.9976 | 2020 |
| 061761 | ASAHI REF INC USA | 412.900 | 411.909 | 0.9976 | 2020 |
| 061762 | ASAHI REF INC USA | 397.825 | 396.870 | 0.9976 | 2020 |
| 061763 | ASAHI REF INC USA | 423.450 | 422.476 | 0.9977 | 2020 |
| 061764 | ASAHI REF INC USA | 418.800 | 417.836 | 0.9977 | 2020 |
| 061765 | ASAHI REF INC USA | 417.000 | 416.041 | 0.9977 | 2020 |
| 061766 | ASAHI REF INC USA | 410.450 | 409.506 | 0.9977 | 2020 |
| 061767 | ASAHI REF INC USA | 407.125 | 406.188 | 0.9977 | 2020 |
| 061768 | ASAHI REF INC USA | 404.300 | 403.370 | 0.9977 | 2020 |
| 061769 | ASAHI REF INC USA | 399.400 | 398.481 | 0.9977 | 2020 |
| 061770 | ASAHI REF INC USA | 397.475 | 396.560 | 0.9977 | 2020 |
| 061771 | ASAHI REF INC USA | 396.925 | 395.416 | 0.9962 | 2020 |
| 061772 | ASAHI REF INC USA | 381.775 | 380.324 | 0.9962 | 2020 |
| 061773 | ASAHI REF INC USA | 399.100 | 397.583 | 0.9962 | 2020 |
| 061774 | ASAHI REF INC USA | 396.325 | 394.819 | 0.9962 | 2020 |
| 061775 | ASAHI REF INC USA | 400.625 | 399.102 | 0.9962 | 2020 |
| 061776 | ASAHI REF INC USA | 403.775 | 402.240 | 0.9962 | 2020 |
| 061777 | ASAHI REF INC USA | 403.125 | 401.593 | 0.9962 | 2020 |
| 061778 | ASAHI REF INC USA | 408.800 | 407.246 | 0.9962 | 2020 |
| 061779 | ASAHI REF INC USA | 417.050 | 415.215 | 0.9956 | 2020 |
| 061780 | ASAHI REF INC USA | 407.425 | 405.632 | 0.9956 | 2020 |

|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 061781 | ASAHI REF INC USA    | 412.575 | 410.759 | 0.9956 | 2020 |
| 061782 | ASAHI REF INC USA    | 399.475 | 397.717 | 0.9956 | 2020 |
| 061783 | ASAHI REF INC USA    | 394.150 | 392.415 | 0.9956 | 2020 |
| 061784 | ASAHI REF INC USA    | 391.025 | 389.304 | 0.9956 | 2020 |
| 061785 | ASAHI REF INC USA    | 391.150 | 389.429 | 0.9956 | 2020 |
| 061786 | ASAHI REF INC USA    | 395.075 | 393.889 | 0.9970 | 2020 |
| 061787 | ASAHI REF INC USA    | 416.825 | 415.574 | 0.9970 | 2020 |
| 061788 | ASAHI REF INC USA    | 389.925 | 388.755 | 0.9970 | 2020 |
| 061789 | ASAHI REF INC USA    | 379.375 | 378.236 | 0.9970 | 2020 |
| 061790 | ASAHI REF INC USA    | 388.775 | 387.608 | 0.9970 | 2020 |
| 061791 | ASAHI REF INC USA    | 420.325 | 419.064 | 0.9970 | 2020 |
| 061792 | ASAHI REF INC USA    | 395.025 | 393.840 | 0.9970 | 2020 |
| 061793 | ASAHI REF INC USA    | 401.825 | 400.619 | 0.9970 | 2020 |
| 061794 | ASAHI REF INC USA    | 378.825 | 377.764 | 0.9972 | 2020 |
| 061795 | ASAHI REF INC USA    | 392.875 | 391.775 | 0.9972 | 2020 |
| 061796 | ASAHI REF INC USA    | 388.600 | 387.512 | 0.9972 | 2020 |
| 061797 | ASAHI REF INC USA    | 402.350 | 401.223 | 0.9972 | 2020 |
| 061798 | ASAHI REF INC USA    | 392.150 | 391.052 | 0.9972 | 2020 |
| 061799 | ASAHI REF INC USA    | 426.425 | 425.231 | 0.9972 | 2020 |
| 061800 | ASAHI REF INC USA    | 429.175 | 428.402 | 0.9982 | 2020 |
| 061802 | ASAHI REF INC USA    | 410.150 | 409.411 | 0.9982 | 2020 |
| 061803 | ASAHI REF INC USA    | 403.750 | 403.023 | 0.9982 | 2020 |
| 061804 | ASAHI REF INC USA    | 397.400 | 396.684 | 0.9982 | 2020 |
| 061805 | ASAHI REF INC USA    | 397.275 | 396.560 | 0.9982 | 2020 |
| 061813 | ASAHI REF INC USA    | 407.025 | 406.373 | 0.9984 | 2020 |
| 061814 | ASAHI REF INC USA    | 383.075 | 382.615 | 0.9988 | 2020 |
| 061815 | ASAHI REF INC USA    | 398.850 | 398.371 | 0.9988 | 2020 |
| 061817 | ASAHI REF INC USA    | 408.875 | 408.384 | 0.9988 | 2020 |
| 061818 | ASAHI REF INC USA    | 406.750 | 406.262 | 0.9988 | 2020 |
| 061819 | ASAHI REF INC USA    | 422.750 | 422.242 | 0.9988 | 2020 |
| 061820 | ASAHI REF INC USA    | 419.175 | 418.672 | 0.9988 | 2020 |
| 061826 | ASAHI REF INC USA    | 411.625 | 410.801 | 0.9980 | 2020 |
| 061830 | ASAHI REF INC USA    | 386.750 | 385.783 | 0.9975 | 2020 |
| 061837 | ASAHI REF INC USA    | 391.050 | 389.837 | 0.9969 | 2020 |
| 061838 | ASAHI REF INC USA    | 379.675 | 378.498 | 0.9969 | 2020 |
| 061839 | ASAHI REF INC USA    | 399.100 | 397.862 | 0.9969 | 2020 |
| 061847 | ASAHI REF INC USA    | 400.350 | 399.109 | 0.9969 | 2020 |
| 061848 | ASAHI REF INC USA    | 383.675 | 382.485 | 0.9969 | 2020 |
| 061849 | ASAHI REF INC USA    | 393.625 | 392.404 | 0.9969 | 2020 |
| 061850 | ASAHI REF INC USA    | 394.875 | 393.650 | 0.9969 | 2020 |
| 061853 | ASAHI REF INC USA    | 391.125 | 389.912 | 0.9969 | 2020 |
| 061863 | ASAHI REF INC USA    | 389.600 | 388.431 | 0.9970 | 2020 |
| 061865 | ASAHI REF INC USA    | 382.525 | 381.377 | 0.9970 | 2020 |
| 061866 | ASAHI REF INC USA    | 401.600 | 400.395 | 0.9970 | 2020 |
| 062103 | ASAHI REF CANADA LTD | 395.975 | 394.945 | 0.9974 | 2018 |
| 062104 | ASAHI REF CANADA LTD | 408.425 | 407.322 | 0.9973 | 2018 |
| 062105 | ASAHI REF CANADA LTD | 419.325 | 418.192 | 0.9973 | 2018 |
| 062106 | ASAHI REF CANADA LTD | 409.400 | 408.294 | 0.9973 | 2018 |
| 062107 | ASAHI REF CANADA LTD | 409.050 | 407.945 | 0.9973 | 2018 |
| 062108 | ASAHI REF CANADA LTD | 411.200 | 410.089 | 0.9973 | 2018 |

|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 062109 | ASAHI REF CANADA LTD | 409.500 | 408.394 | 0.9973 | 2018 |
| 062110 | ASAHI REF CANADA LTD | 417.150 | 415.898 | 0.9970 | 2018 |
| 062111 | ASAHI REF CANADA LTD | 412.050 | 410.813 | 0.9970 | 2018 |
| 062112 | ASAHI REF CANADA LTD | 420.350 | 419.089 | 0.9970 | 2018 |
| 062113 | ASAHI REF CANADA LTD | 416.200 | 414.951 | 0.9970 | 2018 |
| 062114 | ASAHI REF CANADA LTD | 411.050 | 409.816 | 0.9970 | 2018 |
| 062115 | ASAHI REF CANADA LTD | 410.000 | 408.770 | 0.9970 | 2018 |
| 062116 | ASAHI REF CANADA LTD | 404.075 | 402.822 | 0.9969 | 2018 |
| 062116 | ASAHI REF INC USA    | 389.575 | 389.029 | 0.9986 | 2020 |
| 062117 | ASAHI REF CANADA LTD | 416.975 | 415.682 | 0.9969 | 2018 |
| 062117 | ASAHI REF INC USA    | 405.400 | 404.832 | 0.9986 | 2020 |
| 062118 | ASAHI REF CANADA LTD | 420.775 | 419.470 | 0.9969 | 2018 |
| 062118 | ASAHI REF INC USA    | 392.000 | 391.451 | 0.9986 | 2020 |
| 062119 | ASAHI REF CANADA LTD | 412.100 | 410.822 | 0.9969 | 2018 |
| 062119 | ASAHI REF INC USA    | 403.475 | 402.910 | 0.9986 | 2020 |
| 062120 | ASAHI REF CANADA LTD | 411.800 | 410.523 | 0.9969 | 2018 |
| 062120 | ASAHI REF INC USA    | 406.000 | 405.431 | 0.9986 | 2020 |
| 062121 | ASAHI REF CANADA LTD | 410.150 | 408.878 | 0.9969 | 2018 |
| 062121 | ASAHI REF INC USA    | 404.975 | 404.408 | 0.9986 | 2020 |
| 062122 | ASAHI REF CANADA LTD | 415.875 | 414.918 | 0.9977 | 2018 |
| 062122 | ASAHI REF INC USA    | 396.500 | 395.945 | 0.9986 | 2020 |
| 062123 | ASAHI REF CANADA LTD | 419.500 | 418.535 | 0.9977 | 2018 |
| 062124 | ASAHI REF CANADA LTD | 419.450 | 418.485 | 0.9977 | 2018 |
| 062124 | ASAHI REF INC USA    | 396.875 | 396.240 | 0.9984 | 2020 |
| 062125 | ASAHI REF CANADA LTD | 416.175 | 415.217 | 0.9977 | 2018 |
| 062125 | ASAHI REF INC USA    | 408.850 | 408.195 | 0.9984 | 2020 |
| 062126 | ASAHI REF CANADA LTD | 413.525 | 412.573 | 0.9977 | 2018 |
| 062126 | ASAHI REF INC USA    | 421.750 | 421.075 | 0.9984 | 2020 |
| 062127 | ASAHI REF CANADA LTD | 401.200 | 400.277 | 0.9977 | 2018 |
| 062127 | ASAHI REF INC USA    | 404.425 | 403.616 | 0.9980 | 2020 |
| 062128 | ASAHI REF CANADA LTD | 404.650 | 403.921 | 0.9982 | 2018 |
| 062129 | ASAHI REF CANADA LTD | 411.050 | 410.310 | 0.9982 | 2018 |
| 062129 | ASAHI REF INC USA    | 383.625 | 382.857 | 0.9980 | 2020 |
| 062130 | ASAHI REF CANADA LTD | 425.175 | 424.409 | 0.9982 | 2018 |
| 062130 | ASAHI REF INC USA    | 417.250 | 416.373 | 0.9979 | 2020 |
| 062131 | ASAHI REF CANADA LTD | 412.625 | 411.882 | 0.9982 | 2018 |
| 062131 | ASAHI REF INC USA    | 416.775 | 415.899 | 0.9979 | 2020 |
| 062132 | ASAHI REF CANADA LTD | 409.300 | 408.563 | 0.9982 | 2018 |
| 062132 | ASAHI REF INC USA    | 414.250 | 413.380 | 0.9979 | 2020 |
| 062133 | ASAHI REF CANADA LTD | 418.675 | 417.921 | 0.9982 | 2018 |
| 062133 | ASAHI REF INC USA    | 410.325 | 409.463 | 0.9979 | 2020 |
| 062134 | ASAHI REF CANADA LTD | 411.600 | 411.517 | 0.9998 | 2018 |
| 062134 | ASAHI REF INC USA    | 403.850 | 403.002 | 0.9979 | 2020 |
| 062135 | ASAHI REF CANADA LTD | 401.900 | 401.819 | 0.9998 | 2018 |
| 062135 | ASAHI REF INC USA    | 404.300 | 403.451 | 0.9979 | 2020 |
| 062136 | ASAHI REF CANADA LTD | 412.600 | 412.517 | 0.9998 | 2018 |
| 062136 | ASAHI REF INC USA    | 402.700 | 401.854 | 0.9979 | 2020 |
| 062137 | ASAHI REF CANADA LTD | 418.475 | 418.391 | 0.9998 | 2018 |
| 062137 | ASAHI REF INC USA    | 411.000 | 409.726 | 0.9969 | 2020 |
| 062138 | ASAHI REF CANADA LTD | 410.100 | 410.018 | 0.9998 | 2018 |



|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 062138 | ASAHI REF INC USA    | 405.925 | 404.666 | 0.9969 | 2020 |
| 062139 | ASAHI REF CANADA LTD | 407.025 | 406.943 | 0.9998 | 2018 |
| 062139 | ASAHI REF INC USA    | 411.350 | 410.074 | 0.9969 | 2020 |
| 062140 | ASAHI REF CANADA LTD | 406.925 | 406.843 | 0.9998 | 2018 |
| 062140 | ASAHI REF INC USA    | 411.125 | 409.850 | 0.9969 | 2020 |
| 062141 | ASAHI REF CANADA LTD | 417.525 | 417.441 | 0.9998 | 2018 |
| 062141 | ASAHI REF INC USA    | 404.075 | 402.822 | 0.9969 | 2020 |
| 062142 | ASAHI REF CANADA LTD | 411.425 | 411.342 | 0.9998 | 2018 |
| 062142 | ASAHI REF INC USA    | 403.775 | 402.523 | 0.9969 | 2020 |
| 062143 | ASAHI REF CANADA LTD | 404.175 | 404.094 | 0.9998 | 2018 |
| 062143 | ASAHI REF INC USA    | 393.825 | 392.604 | 0.9969 | 2020 |
| 062144 | ASAHI REF CANADA LTD | 420.400 | 420.316 | 0.9998 | 2018 |
| 062145 | ASAHI REF CANADA LTD | 416.300 | 416.216 | 0.9998 | 2018 |
| 062145 | ASAHI REF INC USA    | 417.475 | 416.347 | 0.9973 | 2020 |
| 062146 | ASAHI REF INC USA    | 415.675 | 414.552 | 0.9973 | 2020 |
| 062147 | ASAHI REF INC USA    | 411.250 | 410.139 | 0.9973 | 2020 |
| 062148 | ASAHI REF INC USA    | 402.400 | 401.313 | 0.9973 | 2020 |
| 062149 | ASAHI REF INC USA    | 402.275 | 401.188 | 0.9973 | 2020 |
| 062150 | ASAHI REF INC USA    | 394.175 | 393.110 | 0.9973 | 2020 |
| 062151 | ASAHI REF INC USA    | 398.000 | 396.925 | 0.9973 | 2020 |
| 062152 | ASAHI REF INC USA    | 395.300 | 394.232 | 0.9973 | 2020 |
| 062153 | ASAHI REF INC USA    | 410.975 | 409.618 | 0.9967 | 2020 |
| 062154 | ASAHI REF INC USA    | 403.675 | 402.342 | 0.9967 | 2020 |
| 062155 | ASAHI REF INC USA    | 415.650 | 414.444 | 0.9971 | 2020 |
| 062156 | ASAHI REF INC USA    | 417.275 | 416.065 | 0.9971 | 2020 |
| 062157 | ASAHI REF INC USA    | 407.925 | 406.742 | 0.9971 | 2020 |
| 062158 | ASAHI REF INC USA    | 403.900 | 402.728 | 0.9971 | 2020 |
| 062159 | ASAHI REF INC USA    | 397.300 | 396.147 | 0.9971 | 2020 |
| 062160 | ASAHI REF INC USA    | 390.725 | 389.591 | 0.9971 | 2020 |
| 062161 | ASAHI REF INC USA    | 398.250 | 397.095 | 0.9971 | 2020 |
| 062162 | ASAHI REF INC USA    | 394.800 | 393.655 | 0.9971 | 2020 |
| 062163 | ASAHI REF INC USA    | 395.825 | 394.518 | 0.9967 | 2020 |
| 062164 | ASAHI REF INC USA    | 387.675 | 386.395 | 0.9967 | 2020 |
| 062165 | ASAHI REF INC USA    | 405.375 | 404.037 | 0.9967 | 2020 |
| 062166 | ASAHI REF INC USA    | 384.725 | 383.455 | 0.9967 | 2020 |
| 062167 | ASAHI REF INC USA    | 407.075 | 405.731 | 0.9967 | 2020 |
| 062168 | ASAHI REF INC USA    | 419.175 | 417.791 | 0.9967 | 2020 |
| 062170 | ASAHI REF INC USA    | 376.375 | 375.020 | 0.9964 | 2020 |
| 062171 | ASAHI REF INC USA    | 389.175 | 387.774 | 0.9964 | 2020 |
| 062172 | ASAHI REF INC USA    | 384.975 | 383.589 | 0.9964 | 2020 |
| 062173 | ASAHI REF INC USA    | 408.775 | 407.303 | 0.9964 | 2020 |
| 062174 | ASAHI REF INC USA    | 381.650 | 380.276 | 0.9964 | 2020 |
| 062175 | ASAHI REF INC USA    | 416.600 | 415.100 | 0.9964 | 2020 |
| 062176 | ASAHI REF INC USA    | 403.275 | 401.823 | 0.9964 | 2020 |
| 062177 | ASAHI REF INC USA    | 407.875 | 406.406 | 0.9964 | 2020 |
| 062178 | ASAHI REF INC USA    | 394.050 | 392.631 | 0.9964 | 2020 |
| 062179 | ASAHI REF INC USA    | 377.875 | 376.514 | 0.9964 | 2020 |
| 062180 | ASAHI REF INC USA    | 393.225 | 391.809 | 0.9964 | 2020 |
| 062181 | ASAHI REF INC USA    | 395.200 | 393.777 | 0.9964 | 2020 |
| 062182 | ASAHI REF INC USA    | 398.000 | 396.567 | 0.9964 | 2020 |



|        |                   |         |         |        |      |
|--------|-------------------|---------|---------|--------|------|
| 062183 | ASAHI REF INC USA | 389.650 | 388.247 | 0.9964 | 2020 |
| 062184 | ASAHI REF INC USA | 396.050 | 394.624 | 0.9964 | 2020 |
| 062185 | ASAHI REF INC USA | 411.125 | 409.645 | 0.9964 | 2020 |
| 062186 | ASAHI REF INC USA | 379.500 | 378.020 | 0.9961 | 2020 |
| 062187 | ASAHI REF INC USA | 388.975 | 387.458 | 0.9961 | 2020 |
| 062188 | ASAHI REF INC USA | 377.525 | 376.052 | 0.9961 | 2020 |
| 062189 | ASAHI REF INC USA | 393.050 | 391.517 | 0.9961 | 2020 |
| 062190 | ASAHI REF INC USA | 422.650 | 421.001 | 0.9961 | 2020 |
| 062191 | ASAHI REF INC USA | 391.800 | 390.272 | 0.9961 | 2020 |
| 062192 | ASAHI REF INC USA | 398.800 | 397.244 | 0.9961 | 2020 |
| 062193 | ASAHI REF INC USA | 386.675 | 385.167 | 0.9961 | 2020 |
| 062194 | ASAHI REF INC USA | 381.000 | 379.514 | 0.9961 | 2020 |
| 062195 | ASAHI REF INC USA | 385.575 | 384.071 | 0.9961 | 2020 |
| 062196 | ASAHI REF INC USA | 397.125 | 395.576 | 0.9961 | 2020 |
| 062197 | ASAHI REF INC USA | 402.525 | 400.955 | 0.9961 | 2020 |
| 062198 | ASAHI REF INC USA | 414.475 | 412.858 | 0.9961 | 2020 |
| 062222 | ASAHI REF INC USA | 381.525 | 380.456 | 0.9972 | 2020 |
| 062223 | ASAHI REF INC USA | 385.250 | 384.171 | 0.9972 | 2020 |
| 062224 | ASAHI REF INC USA | 397.325 | 396.212 | 0.9972 | 2020 |
| 062225 | ASAHI REF INC USA | 394.125 | 393.021 | 0.9972 | 2020 |
| 062226 | ASAHI REF INC USA | 373.425 | 372.379 | 0.9972 | 2020 |
| 062227 | ASAHI REF INC USA | 401.450 | 400.326 | 0.9972 | 2020 |
| 062228 | ASAHI REF INC USA | 403.250 | 402.121 | 0.9972 | 2020 |
| 062229 | ASAHI REF INC USA | 396.075 | 394.966 | 0.9972 | 2020 |
| 062230 | ASAHI REF INC USA | 409.500 | 408.476 | 0.9975 | 2020 |
| 062231 | ASAHI REF INC USA | 385.150 | 384.187 | 0.9975 | 2020 |
| 062233 | ASAHI REF INC USA | 427.875 | 426.805 | 0.9975 | 2020 |
| 062234 | ASAHI REF INC USA | 397.250 | 396.256 | 0.9975 | 2020 |
| 062235 | ASAHI REF INC USA | 399.475 | 398.476 | 0.9975 | 2020 |
| 062236 | ASAHI REF INC USA | 398.250 | 397.254 | 0.9975 | 2020 |
| 062237 | ASAHI REF INC USA | 373.775 | 372.840 | 0.9975 | 2020 |
| 062238 | ASAHI REF INC USA | 425.150 | 424.087 | 0.9975 | 2020 |
| 062239 | ASAHI REF INC USA | 401.700 | 400.695 | 0.9975 | 2020 |
| 062240 | ASAHI REF INC USA | 397.100 | 396.107 | 0.9975 | 2020 |
| 062241 | ASAHI REF INC USA | 395.625 | 394.636 | 0.9975 | 2020 |
| 062242 | ASAHI REF INC USA | 399.225 | 398.227 | 0.9975 | 2020 |
| 062243 | ASAHI REF INC USA | 411.175 | 409.489 | 0.9959 | 2020 |
| 062244 | ASAHI REF INC USA | 381.600 | 380.035 | 0.9959 | 2020 |
| 062245 | ASAHI REF INC USA | 409.750 | 408.070 | 0.9959 | 2020 |
| 062246 | ASAHI REF INC USA | 400.375 | 398.733 | 0.9959 | 2020 |
| 062247 | ASAHI REF INC USA | 400.375 | 398.733 | 0.9959 | 2020 |
| 062248 | ASAHI REF INC USA | 400.325 | 398.683 | 0.9959 | 2020 |
| 062249 | ASAHI REF INC USA | 412.850 | 411.157 | 0.9959 | 2020 |
| 062250 | ASAHI REF INC USA | 393.875 | 392.299 | 0.9960 | 2020 |
| 062251 | ASAHI REF INC USA | 387.825 | 386.273 | 0.9960 | 2020 |
| 062252 | ASAHI REF INC USA | 392.400 | 390.830 | 0.9960 | 2020 |
| 062253 | ASAHI REF INC USA | 406.750 | 405.123 | 0.9960 | 2020 |
| 062256 | ASAHI REF INC USA | 402.550 | 400.939 | 0.9960 | 2020 |
| 062257 | ASAHI REF INC USA | 404.025 | 402.409 | 0.9960 | 2020 |
| 062258 | ASAHI REF INC USA | 379.800 | 378.318 | 0.9961 | 2020 |

|        |                   |         |         |        |      |
|--------|-------------------|---------|---------|--------|------|
| 062259 | ASAHI REF INC USA | 387.500 | 385.988 | 0.9961 | 2020 |
| 062260 | ASAHI REF INC USA | 399.450 | 397.892 | 0.9961 | 2020 |
| 062261 | ASAHI REF INC USA | 388.500 | 386.984 | 0.9961 | 2020 |
| 062262 | ASAHI REF INC USA | 397.925 | 396.373 | 0.9961 | 2020 |
| 062263 | ASAHI REF INC USA | 407.900 | 406.309 | 0.9961 | 2020 |
| 062264 | ASAHI REF INC USA | 414.425 | 412.808 | 0.9961 | 2020 |
| 062265 | ASAHI REF INC USA | 386.475 | 384.967 | 0.9961 | 2020 |
| 063339 | ASAHI REF INC USA | 414.975 | 413.896 | 0.9974 | 2020 |
| 063340 | ASAHI REF INC USA | 413.225 | 412.150 | 0.9974 | 2020 |
| 063341 | ASAHI REF INC USA | 408.250 | 407.188 | 0.9974 | 2020 |
| 063342 | ASAHI REF INC USA | 408.225 | 407.163 | 0.9974 | 2020 |
| 063343 | ASAHI REF INC USA | 408.750 | 407.687 | 0.9974 | 2020 |
| 063344 | ASAHI REF INC USA | 403.050 | 402.002 | 0.9974 | 2020 |
| 063345 | ASAHI REF INC USA | 400.675 | 399.633 | 0.9974 | 2020 |
| 063346 | ASAHI REF INC USA | 401.125 | 400.082 | 0.9974 | 2020 |
| 063363 | ASAHI REF INC USA | 420.400 | 419.096 | 0.9969 | 2020 |
| 063364 | ASAHI REF INC USA | 416.300 | 415.009 | 0.9969 | 2020 |
| 063365 | ASAHI REF INC USA | 415.475 | 414.187 | 0.9969 | 2020 |
| 063367 | ASAHI REF INC USA | 416.050 | 414.760 | 0.9969 | 2020 |
| 063368 | ASAHI REF INC USA | 414.475 | 413.190 | 0.9969 | 2020 |
| 063369 | ASAHI REF INC USA | 396.000 | 394.772 | 0.9969 | 2020 |
| 063370 | ASAHI REF INC USA | 397.375 | 396.143 | 0.9969 | 2020 |
| 063371 | ASAHI REF INC USA | 387.200 | 386.077 | 0.9971 | 2020 |
| 063373 | ASAHI REF INC USA | 403.600 | 402.429 | 0.9971 | 2020 |
| 063374 | ASAHI REF INC USA | 406.625 | 405.445 | 0.9971 | 2020 |
| 063375 | ASAHI REF INC USA | 411.475 | 410.281 | 0.9971 | 2020 |
| 063376 | ASAHI REF INC USA | 413.125 | 411.927 | 0.9971 | 2020 |
| 063377 | ASAHI REF INC USA | 416.500 | 415.292 | 0.9971 | 2020 |
| 063378 | ASAHI REF INC USA | 408.475 | 407.372 | 0.9973 | 2020 |
| 063379 | ASAHI REF INC USA | 405.450 | 404.355 | 0.9973 | 2020 |
| 063380 | ASAHI REF INC USA | 404.825 | 403.732 | 0.9973 | 2020 |
| 063381 | ASAHI REF INC USA | 401.725 | 400.640 | 0.9973 | 2020 |
| 063382 | ASAHI REF INC USA | 405.150 | 404.056 | 0.9973 | 2020 |
| 063383 | ASAHI REF INC USA | 396.050 | 394.980 | 0.9973 | 2020 |
| 063384 | ASAHI REF INC USA | 387.825 | 386.777 | 0.9973 | 2020 |
| 063385 | ASAHI REF INC USA | 391.875 | 390.817 | 0.9973 | 2020 |
| 063386 | ASAHI REF INC USA | 381.900 | 380.907 | 0.9974 | 2020 |
| 063387 | ASAHI REF INC USA | 390.975 | 389.958 | 0.9974 | 2020 |
| 063388 | ASAHI REF INC USA | 392.925 | 391.903 | 0.9974 | 2020 |
| 063389 | ASAHI REF INC USA | 394.850 | 393.823 | 0.9974 | 2020 |
| 063390 | ASAHI REF INC USA | 405.625 | 404.570 | 0.9974 | 2020 |
| 063391 | ASAHI REF INC USA | 409.150 | 408.086 | 0.9974 | 2020 |
| 063392 | ASAHI REF INC USA | 415.375 | 414.295 | 0.9974 | 2020 |
| 063393 | ASAHI REF INC USA | 415.375 | 414.295 | 0.9974 | 2020 |
| 063394 | ASAHI REF INC USA | 417.650 | 416.564 | 0.9974 | 2020 |
| 063395 | ASAHI REF INC USA | 408.000 | 406.939 | 0.9974 | 2020 |
| 063396 | ASAHI REF INC USA | 400.925 | 399.882 | 0.9974 | 2020 |
| 063397 | ASAHI REF INC USA | 395.650 | 394.621 | 0.9974 | 2020 |
| 063398 | ASAHI REF INC USA | 418.875 | 417.911 | 0.9977 | 2020 |
| 063399 | ASAHI REF INC USA | 417.325 | 416.365 | 0.9977 | 2020 |

|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 063400 | ASAHI REF INC USA    | 420.425 | 419.458 | 0.9977 | 2020 |
| 063401 | ASAHI REF INC USA    | 409.900 | 408.957 | 0.9977 | 2020 |
| 063402 | ASAHI REF INC USA    | 415.900 | 414.943 | 0.9977 | 2020 |
| 063404 | ASAHI REF INC USA    | 382.950 | 382.069 | 0.9977 | 2020 |
| 063405 | ASAHI REF INC USA    | 403.300 | 402.372 | 0.9977 | 2020 |
| 063406 | ASAHI REF INC USA    | 413.175 | 412.224 | 0.9977 | 2020 |
| 063407 | ASAHI REF INC USA    | 408.650 | 407.710 | 0.9977 | 2020 |
| 063408 | ASAHI REF INC USA    | 420.650 | 419.682 | 0.9977 | 2020 |
| 063409 | ASAHI REF INC USA    | 405.800 | 404.866 | 0.9977 | 2020 |
| 063410 | ASAHI REF INC USA    | 416.575 | 415.616 | 0.9977 | 2020 |
| 063411 | ASAHI REF INC USA    | 410.500 | 409.555 | 0.9977 | 2020 |
| 063412 | ASAHI REF INC USA    | 397.850 | 396.497 | 0.9966 | 2020 |
| 063413 | ASAHI REF INC USA    | 396.300 | 394.952 | 0.9966 | 2020 |
| 063414 | ASAHI REF INC USA    | 416.025 | 414.610 | 0.9966 | 2020 |
| 063415 | ASAHI REF INC USA    | 418.950 | 417.525 | 0.9966 | 2020 |
| 063416 | ASAHI REF INC USA    | 404.725 | 403.349 | 0.9966 | 2020 |
| 063417 | ASAHI REF INC USA    | 413.425 | 412.019 | 0.9966 | 2020 |
| 063418 | ASAHI REF INC USA    | 418.275 | 416.852 | 0.9966 | 2020 |
| 063419 | ASAHI REF INC USA    | 401.075 | 399.711 | 0.9966 | 2020 |
| 063420 | ASAHI REF INC USA    | 378.900 | 377.611 | 0.9966 | 2020 |
| 063421 | ASAHI REF INC USA    | 396.550 | 395.201 | 0.9966 | 2020 |
| 063422 | ASAHI REF INC USA    | 429.950 | 428.488 | 0.9966 | 2020 |
| 063423 | ASAHI REF INC USA    | 424.350 | 422.907 | 0.9966 | 2020 |
| 063424 | ASAHI REF INC USA    | 399.150 | 397.792 | 0.9966 | 2020 |
| 063425 | ASAHI REF CANADA LTD | 415.725 | 415.641 | 0.9998 | 2018 |
| 063425 | ASAHI REF INC USA    | 403.950 | 402.576 | 0.9966 | 2020 |
| 063426 | ASAHI REF CANADA LTD | 418.050 | 417.966 | 0.9998 | 2018 |
| 063427 | ASAHI REF CANADA LTD | 406.675 | 406.593 | 0.9998 | 2018 |
| 063427 | ASAHI REF INC USA    | 414.400 | 412.866 | 0.9963 | 2020 |
| 063428 | ASAHI REF CANADA LTD | 405.325 | 405.244 | 0.9998 | 2018 |
| 063428 | ASAHI REF INC USA    | 421.025 | 419.467 | 0.9963 | 2020 |
| 063429 | ASAHI REF CANADA LTD | 425.025 | 424.940 | 0.9998 | 2018 |
| 063429 | ASAHI REF INC USA    | 397.950 | 396.477 | 0.9963 | 2020 |
| 063430 | ASAHI REF CANADA LTD | 409.925 | 409.843 | 0.9998 | 2018 |
| 063431 | ASAHI REF CANADA LTD | 408.100 | 408.018 | 0.9998 | 2018 |
| 063431 | ASAHI REF INC USA    | 425.400 | 423.826 | 0.9963 | 2020 |
| 063432 | ASAHI REF CANADA LTD | 403.175 | 403.094 | 0.9998 | 2018 |
| 063432 | ASAHI REF INC USA    | 415.825 | 414.286 | 0.9963 | 2020 |
| 063433 | ASAHI REF CANADA LTD | 424.625 | 424.540 | 0.9998 | 2018 |
| 063964 | ASAHI REF CANADA LTD | 405.450 | 404.558 | 0.9978 | 2018 |
| 063965 | ASAHI REF CANADA LTD | 397.700 | 396.825 | 0.9978 | 2018 |
| 063966 | ASAHI REF CANADA LTD | 417.925 | 417.005 | 0.9978 | 2018 |
| 063967 | ASAHI REF CANADA LTD | 421.825 | 420.897 | 0.9978 | 2018 |
| 063968 | ASAHI REF CANADA LTD | 400.725 | 399.843 | 0.9978 | 2018 |
| 063969 | ASAHI REF CANADA LTD | 410.400 | 409.497 | 0.9978 | 2018 |
| 063970 | ASAHI REF CANADA LTD | 410.000 | 409.098 | 0.9978 | 2018 |
| 063971 | ASAHI REF CANADA LTD | 399.350 | 398.471 | 0.9978 | 2018 |
| 063972 | ASAHI REF CANADA LTD | 413.150 | 412.241 | 0.9978 | 2018 |
| 063973 | ASAHI REF CANADA LTD | 409.075 | 408.175 | 0.9978 | 2018 |
| 063974 | ASAHI REF CANADA LTD | 410.425 | 409.522 | 0.9978 | 2018 |

|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 063975 | ASAHI REF CANADA LTD | 404.225 | 403.335 | 0.9978 | 2018 |
| 063976 | ASAHI REF CANADA LTD | 408.500 | 407.560 | 0.9977 | 2018 |
| 063977 | ASAHI REF CANADA LTD | 407.400 | 406.463 | 0.9977 | 2018 |
| 063978 | ASAHI REF CANADA LTD | 405.250 | 404.318 | 0.9977 | 2018 |
| 063979 | ASAHI REF CANADA LTD | 402.600 | 401.674 | 0.9977 | 2018 |
| 063980 | ASAHI REF CANADA LTD | 399.575 | 398.656 | 0.9977 | 2018 |
| 063981 | ASAHI REF CANADA LTD | 409.950 | 409.007 | 0.9977 | 2018 |
| 063982 | ASAHI REF CANADA LTD | 404.575 | 403.280 | 0.9968 | 2018 |
| 063983 | ASAHI REF CANADA LTD | 400.825 | 399.542 | 0.9968 | 2018 |
| 063984 | ASAHI REF CANADA LTD | 416.300 | 414.967 | 0.9968 | 2018 |
| 063985 | ASAHI REF CANADA LTD | 418.725 | 417.385 | 0.9968 | 2018 |
| 063986 | ASAHI REF CANADA LTD | 406.075 | 404.775 | 0.9968 | 2018 |
| 063987 | ASAHI REF CANADA LTD | 413.700 | 412.376 | 0.9968 | 2018 |
| 063988 | ASAHI REF CANADA LTD | 410.425 | 408.660 | 0.9957 | 2018 |
| 063989 | ASAHI REF CANADA LTD | 414.600 | 412.817 | 0.9957 | 2018 |
| 063990 | ASAHI REF CANADA LTD | 413.275 | 411.498 | 0.9957 | 2018 |
| 063991 | ASAHI REF CANADA LTD | 414.550 | 412.767 | 0.9957 | 2018 |
| 063992 | ASAHI REF CANADA LTD | 402.300 | 400.570 | 0.9957 | 2018 |
| 063993 | ASAHI REF CANADA LTD | 401.925 | 400.196 | 0.9957 | 2018 |
| 063994 | ASAHI REF CANADA LTD | 409.150 | 407.349 | 0.9956 | 2018 |
| 063995 | ASAHI REF CANADA LTD | 406.600 | 404.811 | 0.9956 | 2018 |
| 063996 | ASAHI REF CANADA LTD | 414.150 | 412.327 | 0.9956 | 2018 |
| 063997 | ASAHI REF CANADA LTD | 411.500 | 409.689 | 0.9956 | 2018 |
| 063998 | ASAHI REF CANADA LTD | 406.525 | 404.736 | 0.9956 | 2018 |
| 063999 | ASAHI REF CANADA LTD | 419.575 | 419.491 | 0.9998 | 2018 |
| 064000 | ASAHI REF CANADA LTD | 418.300 | 418.216 | 0.9998 | 2018 |
| 064001 | ASAHI REF CANADA LTD | 397.075 | 396.995 | 0.9998 | 2018 |
| 064002 | ASAHI REF CANADA LTD | 404.250 | 404.169 | 0.9998 | 2018 |
| 064003 | ASAHI REF CANADA LTD | 393.350 | 393.271 | 0.9998 | 2018 |
| 064004 | ASAHI REF CANADA LTD | 405.750 | 405.668 | 0.9998 | 2018 |
| 064005 | ASAHI REF CANADA LTD | 411.475 | 411.392 | 0.9998 | 2018 |
| 064006 | ASAHI REF CANADA LTD | 401.925 | 401.844 | 0.9998 | 2018 |
| 064007 | ASAHI REF CANADA LTD | 402.975 | 402.894 | 0.9998 | 2018 |
| 064008 | ASAHI REF CANADA LTD | 412.225 | 412.142 | 0.9998 | 2018 |
| 064009 | ASAHI REF CANADA LTD | 418.500 | 418.416 | 0.9998 | 2018 |
| 064010 | ASAHI REF CANADA LTD | 413.075 | 412.992 | 0.9998 | 2018 |
| 068615 | ASAHI REF CANADA LTD | 419.800 | 418.876 | 0.9978 | 2019 |
| 068616 | ASAHI REF CANADA LTD | 406.675 | 405.780 | 0.9978 | 2019 |
| 068617 | ASAHI REF CANADA LTD | 417.275 | 416.357 | 0.9978 | 2019 |
| 068618 | ASAHI REF CANADA LTD | 409.050 | 408.272 | 0.9981 | 2019 |
| 068619 | ASAHI REF CANADA LTD | 402.425 | 401.660 | 0.9981 | 2019 |
| 068620 | ASAHI REF CANADA LTD | 411.750 | 410.967 | 0.9981 | 2019 |
| 068621 | ASAHI REF CANADA LTD | 413.725 | 412.939 | 0.9981 | 2019 |
| 068622 | ASAHI REF CANADA LTD | 423.700 | 422.895 | 0.9981 | 2019 |
| 068623 | ASAHI REF CANADA LTD | 405.175 | 404.405 | 0.9981 | 2019 |
| 069173 | ASAHI REF CANADA LTD | 417.925 | 416.713 | 0.9971 | 2019 |
| 069174 | ASAHI REF CANADA LTD | 409.800 | 408.611 | 0.9971 | 2019 |
| 069175 | ASAHI REF CANADA LTD | 417.600 | 416.389 | 0.9971 | 2019 |
| 069176 | ASAHI REF CANADA LTD | 415.350 | 414.145 | 0.9971 | 2019 |
| 069177 | ASAHI REF CANADA LTD | 416.300 | 415.092 | 0.9971 | 2019 |

|        |                         |         |         |        |      |
|--------|-------------------------|---------|---------|--------|------|
| 069178 | ASAHI REF CANADA LTD    | 412.400 | 411.204 | 0.9971 | 2019 |
| 069179 | ASAHI REF CANADA LTD    | 413.875 | 412.674 | 0.9971 | 2019 |
| 069180 | ASAHI REF CANADA LTD    | 413.775 | 412.575 | 0.9971 | 2019 |
| 069181 | ASAHI REF CANADA LTD    | 415.800 | 414.594 | 0.9971 | 2019 |
| 069182 | ASAHI REF CANADA LTD    | 409.025 | 407.838 | 0.9971 | 2019 |
| 069183 | ASAHI REF CANADA LTD    | 415.300 | 415.217 | 0.9998 | 2019 |
| 069184 | ASAHI REF CANADA LTD    | 416.425 | 416.341 | 0.9998 | 2019 |
| 069185 | ASAHI REF CANADA LTD    | 425.800 | 425.714 | 0.9998 | 2019 |
| 069186 | ASAHI REF CANADA LTD    | 421.650 | 421.565 | 0.9998 | 2019 |
| 069187 | ASAHI REF CANADA LTD    | 425.750 | 425.664 | 0.9998 | 2019 |
| 069188 | ASAHI REF CANADA LTD    | 400.175 | 400.095 | 0.9998 | 2019 |
| 069189 | ASAHI REF CANADA LTD    | 422.825 | 422.740 | 0.9998 | 2019 |
| 069190 | ASAHI REF CANADA LTD    | 414.950 | 414.867 | 0.9998 | 2019 |
| 069191 | ASAHI REF CANADA LTD    | 414.425 | 414.342 | 0.9998 | 2019 |
| 069192 | ASAHI REF CANADA LTD    | 423.000 | 422.915 | 0.9998 | 2019 |
| 069193 | ASAHI REF CANADA LTD    | 396.050 | 395.970 | 0.9998 | 2019 |
| 069194 | ASAHI REF CANADA LTD    | 395.575 | 395.495 | 0.9998 | 2019 |
| 069195 | ASAHI REF CANADA LTD    | 424.950 | 424.865 | 0.9998 | 2019 |
| 069196 | ASAHI REF CANADA LTD    | 409.950 | 409.868 | 0.9998 | 2019 |
| 069197 | ASAHI REF CANADA LTD    | 422.725 | 422.640 | 0.9998 | 2019 |
| 069198 | ASAHI REF CANADA LTD    | 420.675 | 420.548 | 0.9997 | 2019 |
| 069199 | ASAHI REF CANADA LTD    | 401.825 | 401.704 | 0.9997 | 2019 |
| 069200 | ASAHI REF CANADA LTD    | 425.275 | 425.147 | 0.9997 | 2019 |
| 069201 | ASAHI REF CANADA LTD    | 421.550 | 421.423 | 0.9997 | 2019 |
| 069202 | ASAHI REF CANADA LTD    | 414.000 | 413.875 | 0.9997 | 2019 |
| 069203 | ASAHI REF CANADA LTD    | 406.125 | 406.003 | 0.9997 | 2019 |
| 069204 | ASAHI REF CANADA LTD    | 402.275 | 402.154 | 0.9997 | 2019 |
| 069205 | ASAHI REF CANADA LTD    | 426.700 | 426.572 | 0.9997 | 2019 |
| 069206 | ASAHI REF CANADA LTD    | 409.450 | 409.327 | 0.9997 | 2019 |
| 069207 | ASAHI REF CANADA LTD    | 419.575 | 419.449 | 0.9997 | 2019 |
| 069208 | ASAHI REF CANADA LTD    | 412.350 | 412.226 | 0.9997 | 2019 |
| 069543 | ASAHI REF CANADA LTD    | 422.375 | 420.516 | 0.9956 | 2019 |
| 069544 | ASAHI REF CANADA LTD    | 422.025 | 420.168 | 0.9956 | 2019 |
| 069545 | ASAHI REF CANADA LTD    | 415.825 | 413.995 | 0.9956 | 2019 |
| 069546 | ASAHI REF CANADA LTD    | 422.500 | 420.810 | 0.9960 | 2019 |
| 069547 | ASAHI REF CANADA LTD    | 417.525 | 415.855 | 0.9960 | 2019 |
| 069548 | ASAHI REF CANADA LTD    | 419.650 | 417.971 | 0.9960 | 2019 |
| 069549 | ASAHI REF CANADA LTD    | 427.850 | 426.138 | 0.9960 | 2019 |
| 070001 | METALOR TECHNOLOGIES SA | 381.575 | 381.536 | 0.9999 | 2019 |
| 070002 | METALOR TECHNOLOGIES SA | 399.550 | 399.510 | 0.9999 | 2019 |
| 070003 | METALOR TECHNOLOGIES SA | 416.100 | 416.058 | 0.9999 | 2019 |
| 070004 | METALOR TECHNOLOGIES SA | 405.775 | 405.734 | 0.9999 | 2019 |
| 070005 | METALOR TECHNOLOGIES SA | 367.775 | 367.738 | 0.9999 | 2019 |
| 070006 | METALOR TECHNOLOGIES SA | 363.475 | 363.438 | 0.9999 | 2019 |
| 070007 | METALOR TECHNOLOGIES SA | 380.850 | 380.812 | 0.9999 | 2019 |
| 070008 | METALOR TECHNOLOGIES SA | 415.150 | 415.108 | 0.9999 | 2019 |
| 070009 | METALOR TECHNOLOGIES SA | 408.425 | 408.384 | 0.9999 | 2019 |
| 070010 | METALOR TECHNOLOGIES SA | 410.425 | 410.384 | 0.9999 | 2019 |
| 070011 | METALOR TECHNOLOGIES SA | 401.450 | 401.409 | 0.9999 | 2019 |
| 070012 | METALOR TECHNOLOGIES SA | 408.450 | 408.409 | 0.9999 | 2019 |



|        |                         |         |         |        |      |
|--------|-------------------------|---------|---------|--------|------|
| 070013 | METALOR TECHNOLOGIES SA | 405.000 | 404.959 | 0.9999 | 2019 |
| 070014 | METALOR TECHNOLOGIES SA | 388.525 | 388.486 | 0.9999 | 2019 |
| 070015 | METALOR TECHNOLOGIES SA | 382.325 | 382.286 | 0.9999 | 2019 |
| 070016 | METALOR TECHNOLOGIES SA | 393.500 | 393.460 | 0.9999 | 2019 |
| 070017 | METALOR TECHNOLOGIES SA | 390.925 | 390.886 | 0.9999 | 2019 |
| 070018 | METALOR TECHNOLOGIES SA | 408.525 | 408.484 | 0.9999 | 2019 |
| 070019 | METALOR TECHNOLOGIES SA | 408.975 | 408.934 | 0.9999 | 2019 |
| 070020 | METALOR TECHNOLOGIES SA | 404.375 | 404.334 | 0.9999 | 2019 |
| 070021 | METALOR TECHNOLOGIES SA | 401.000 | 400.960 | 0.9999 | 2019 |
| 070022 | METALOR TECHNOLOGIES SA | 390.350 | 390.311 | 0.9999 | 2019 |
| 070023 | METALOR TECHNOLOGIES SA | 389.700 | 389.661 | 0.9999 | 2019 |
| 070024 | METALOR TECHNOLOGIES SA | 384.625 | 384.586 | 0.9999 | 2019 |
| 070025 | METALOR TECHNOLOGIES SA | 413.825 | 413.783 | 0.9999 | 2019 |
| 070026 | METALOR TECHNOLOGIES SA | 379.300 | 379.262 | 0.9999 | 2019 |
| 070027 | METALOR TECHNOLOGIES SA | 398.650 | 398.610 | 0.9999 | 2019 |
| 070028 | METALOR TECHNOLOGIES SA | 412.750 | 412.708 | 0.9999 | 2019 |
| 070029 | METALOR TECHNOLOGIES SA | 405.050 | 405.009 | 0.9999 | 2019 |
| 070030 | METALOR TECHNOLOGIES SA | 412.525 | 412.483 | 0.9999 | 2019 |
| 070031 | METALOR TECHNOLOGIES SA | 385.475 | 385.436 | 0.9999 | 2019 |
| 070032 | METALOR TECHNOLOGIES SA | 407.275 | 407.234 | 0.9999 | 2019 |
| 070033 | METALOR TECHNOLOGIES SA | 414.950 | 414.908 | 0.9999 | 2019 |
| 070034 | METALOR TECHNOLOGIES SA | 408.150 | 408.109 | 0.9999 | 2019 |
| 070035 | METALOR TECHNOLOGIES SA | 393.000 | 392.960 | 0.9999 | 2019 |
| 070036 | METALOR TECHNOLOGIES SA | 411.025 | 410.983 | 0.9999 | 2019 |
| 070037 | METALOR TECHNOLOGIES SA | 412.250 | 412.208 | 0.9999 | 2019 |
| 070038 | METALOR TECHNOLOGIES SA | 412.750 | 412.708 | 0.9999 | 2019 |
| 070039 | METALOR TECHNOLOGIES SA | 401.525 | 401.484 | 0.9999 | 2019 |
| 070040 | METALOR TECHNOLOGIES SA | 402.975 | 402.934 | 0.9999 | 2019 |
| 070041 | METALOR TECHNOLOGIES SA | 393.425 | 393.385 | 0.9999 | 2019 |
| 070042 | METALOR TECHNOLOGIES SA | 375.875 | 375.837 | 0.9999 | 2019 |
| 070043 | METALOR TECHNOLOGIES SA | 386.000 | 385.961 | 0.9999 | 2019 |
| 070044 | METALOR TECHNOLOGIES SA | 385.325 | 385.286 | 0.9999 | 2019 |
| 070045 | METALOR TECHNOLOGIES SA | 402.525 | 402.484 | 0.9999 | 2019 |
| 070046 | METALOR TECHNOLOGIES SA | 408.175 | 408.134 | 0.9999 | 2019 |
| 070047 | METALOR TECHNOLOGIES SA | 397.900 | 397.860 | 0.9999 | 2019 |
| 070048 | METALOR TECHNOLOGIES SA | 411.425 | 411.383 | 0.9999 | 2019 |
| 070567 | ASAHI REF CANADA LTD    | 428.775 | 427.531 | 0.9971 | 2019 |
| 070568 | ASAHI REF CANADA LTD    | 418.425 | 417.211 | 0.9971 | 2019 |
| 070569 | ASAHI REF CANADA LTD    | 421.850 | 420.626 | 0.9971 | 2019 |
| 070570 | ASAHI REF CANADA LTD    | 410.400 | 409.209 | 0.9971 | 2019 |
| 070571 | ASAHI REF CANADA LTD    | 413.525 | 412.325 | 0.9971 | 2019 |
| 070572 | ASAHI REF CANADA LTD    | 409.425 | 408.237 | 0.9971 | 2019 |
| 070573 | ASAHI REF CANADA LTD    | 404.025 | 403.055 | 0.9976 | 2019 |
| 070574 | ASAHI REF CANADA LTD    | 414.900 | 413.904 | 0.9976 | 2019 |
| 070575 | ASAHI REF CANADA LTD    | 428.750 | 427.721 | 0.9976 | 2019 |
| 070576 | ASAHI REF CANADA LTD    | 418.050 | 417.046 | 0.9976 | 2019 |
| 070577 | ASAHI REF CANADA LTD    | 424.975 | 423.955 | 0.9976 | 2019 |
| 070578 | ASAHI REF CANADA LTD    | 427.050 | 426.025 | 0.9976 | 2019 |
| 070579 | ASAHI REF CANADA LTD    | 418.625 | 417.536 | 0.9974 | 2019 |
| 070580 | ASAHI REF CANADA LTD    | 410.775 | 409.707 | 0.9974 | 2019 |



|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 070581 | ASAHI REF CANADA LTD | 420.075 | 418.982 | 0.9974 | 2019 |
| 070582 | ASAHI REF CANADA LTD | 423.375 | 422.274 | 0.9974 | 2019 |
| 070583 | ASAHI REF CANADA LTD | 412.375 | 411.302 | 0.9974 | 2019 |
| 070584 | ASAHI REF CANADA LTD | 425.725 | 424.618 | 0.9974 | 2019 |
| 070585 | ASAHI REF CANADA LTD | 412.850 | 411.776 | 0.9974 | 2019 |
| 070586 | ASAHI REF CANADA LTD | 425.900 | 424.792 | 0.9974 | 2019 |
| 070587 | ASAHI REF CANADA LTD | 415.375 | 414.295 | 0.9974 | 2019 |
| 070588 | ASAHI REF CANADA LTD | 413.825 | 412.749 | 0.9974 | 2019 |
| 070589 | ASAHI REF CANADA LTD | 426.050 | 424.942 | 0.9974 | 2019 |
| 070590 | ASAHI REF CANADA LTD | 410.550 | 409.482 | 0.9974 | 2019 |
| 072084 | ASAHI REF CANADA LTD | 415.750 | 415.625 | 0.9997 | 2019 |
| 072085 | ASAHI REF CANADA LTD | 413.250 | 413.126 | 0.9997 | 2019 |
| 072086 | ASAHI REF CANADA LTD | 403.075 | 402.954 | 0.9997 | 2019 |
| 072087 | ASAHI REF CANADA LTD | 404.675 | 404.553 | 0.9997 | 2019 |
| 072088 | ASAHI REF CANADA LTD | 420.550 | 420.423 | 0.9997 | 2019 |
| 072089 | ASAHI REF CANADA LTD | 409.450 | 409.327 | 0.9997 | 2019 |
| 072090 | ASAHI REF CANADA LTD | 416.550 | 416.425 | 0.9997 | 2019 |
| 072091 | ASAHI REF CANADA LTD | 411.925 | 411.801 | 0.9997 | 2019 |
| 072092 | ASAHI REF CANADA LTD | 417.375 | 417.249 | 0.9997 | 2019 |
| 072093 | ASAHI REF CANADA LTD | 406.450 | 406.328 | 0.9997 | 2019 |
| 072094 | ASAHI REF CANADA LTD | 413.225 | 413.101 | 0.9997 | 2019 |
| 072095 | ASAHI REF CANADA LTD | 408.900 | 408.777 | 0.9997 | 2019 |
| 072096 | ASAHI REF CANADA LTD | 408.425 | 408.302 | 0.9997 | 2019 |
| 072097 | ASAHI REF CANADA LTD | 415.125 | 415.000 | 0.9997 | 2019 |
| 072098 | ASAHI REF CANADA LTD | 410.575 | 410.451 | 0.9997 | 2019 |
| 072099 | ASAHI REF CANADA LTD | 407.850 | 407.727 | 0.9997 | 2019 |
| 072100 | ASAHI REF CANADA LTD | 407.175 | 407.052 | 0.9997 | 2019 |
| 072101 | ASAHI REF CANADA LTD | 413.650 | 413.526 | 0.9997 | 2019 |
| 072102 | ASAHI REF CANADA LTD | 404.600 | 404.478 | 0.9997 | 2019 |
| 072103 | ASAHI REF CANADA LTD | 418.250 | 418.124 | 0.9997 | 2019 |
| 072104 | ASAHI REF CANADA LTD | 412.550 | 412.426 | 0.9997 | 2019 |
| 072105 | ASAHI REF CANADA LTD | 412.975 | 412.851 | 0.9997 | 2019 |
| 072106 | ASAHI REF CANADA LTD | 419.225 | 419.099 | 0.9997 | 2019 |
| 072361 | ASAHI REF CANADA LTD | 410.400 | 410.276 | 0.9997 | 2019 |
| 072362 | ASAHI REF CANADA LTD | 411.675 | 411.551 | 0.9997 | 2019 |
| 072363 | ASAHI REF CANADA LTD | 393.825 | 393.706 | 0.9997 | 2019 |
| 072364 | ASAHI REF CANADA LTD | 412.500 | 412.376 | 0.9997 | 2019 |
| 072365 | ASAHI REF CANADA LTD | 404.600 | 404.478 | 0.9997 | 2019 |
| 072366 | ASAHI REF CANADA LTD | 420.025 | 419.899 | 0.9997 | 2019 |
| 072367 | ASAHI REF CANADA LTD | 399.525 | 399.405 | 0.9997 | 2019 |
| 072368 | ASAHI REF CANADA LTD | 406.000 | 405.918 | 0.9998 | 2019 |
| 072369 | ASAHI REF CANADA LTD | 421.475 | 421.390 | 0.9998 | 2019 |
| 072370 | ASAHI REF CANADA LTD | 424.550 | 424.465 | 0.9998 | 2019 |
| 072371 | ASAHI REF CANADA LTD | 408.150 | 408.068 | 0.9998 | 2019 |
| 072372 | ASAHI REF CANADA LTD | 402.325 | 402.244 | 0.9998 | 2019 |
| 072373 | ASAHI REF CANADA LTD | 417.250 | 417.166 | 0.9998 | 2019 |
| 072374 | ASAHI REF CANADA LTD | 413.275 | 413.192 | 0.9998 | 2019 |
| 072375 | ASAHI REF CANADA LTD | 415.750 | 415.666 | 0.9998 | 2019 |
| 072376 | ASAHI REF CANADA LTD | 421.275 | 421.190 | 0.9998 | 2019 |
| 073523 | ASAHI REF CANADA LTD | 417.925 | 417.005 | 0.9978 | 2019 |

|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 073524 | ASAHI REF CANADA LTD | 406.825 | 405.930 | 0.9978 | 2019 |
| 073525 | ASAHI REF CANADA LTD | 404.225 | 403.537 | 0.9983 | 2019 |
| 073526 | ASAHI REF CANADA LTD | 417.950 | 417.239 | 0.9983 | 2019 |
| 073527 | ASAHI REF CANADA LTD | 403.775 | 403.088 | 0.9983 | 2019 |
| 073528 | ASAHI REF CANADA LTD | 418.900 | 418.187 | 0.9983 | 2019 |
| 073529 | ASAHI REF CANADA LTD | 413.675 | 412.971 | 0.9983 | 2019 |
| 073530 | ASAHI REF CANADA LTD | 412.425 | 411.723 | 0.9983 | 2019 |
| 073531 | ASAHI REF CANADA LTD | 408.250 | 406.902 | 0.9967 | 2019 |
| 073532 | ASAHI REF CANADA LTD | 413.975 | 412.608 | 0.9967 | 2019 |
| 073533 | ASAHI REF CANADA LTD | 420.625 | 419.237 | 0.9967 | 2019 |
| 073534 | ASAHI REF CANADA LTD | 418.500 | 417.119 | 0.9967 | 2019 |
| 073535 | ASAHI REF CANADA LTD | 402.375 | 401.047 | 0.9967 | 2019 |
| 073536 | ASAHI REF CANADA LTD | 420.900 | 419.511 | 0.9967 | 2019 |
| 073537 | ASAHI REF CANADA LTD | 407.250 | 405.743 | 0.9963 | 2019 |
| 073538 | ASAHI REF CANADA LTD | 408.975 | 407.461 | 0.9963 | 2019 |
| 073539 | ASAHI REF CANADA LTD | 416.050 | 414.510 | 0.9963 | 2019 |
| 073540 | ASAHI REF CANADA LTD | 415.900 | 414.361 | 0.9963 | 2019 |
| 073541 | ASAHI REF CANADA LTD | 423.400 | 421.833 | 0.9963 | 2019 |
| 073542 | ASAHI REF CANADA LTD | 418.275 | 416.978 | 0.9969 | 2019 |
| 073543 | ASAHI REF CANADA LTD | 407.600 | 406.336 | 0.9969 | 2019 |
| 073544 | ASAHI REF CANADA LTD | 414.725 | 413.439 | 0.9969 | 2019 |
| 073545 | ASAHI REF CANADA LTD | 418.050 | 416.754 | 0.9969 | 2019 |
| 073546 | ASAHI REF CANADA LTD | 409.700 | 408.430 | 0.9969 | 2019 |
| 073547 | ASAHI REF CANADA LTD | 402.175 | 400.928 | 0.9969 | 2019 |
| 073548 | ASAHI REF CANADA LTD | 412.025 | 411.077 | 0.9977 | 2019 |
| 073549 | ASAHI REF CANADA LTD | 406.775 | 405.839 | 0.9977 | 2019 |
| 073550 | ASAHI REF CANADA LTD | 416.700 | 415.741 | 0.9977 | 2019 |
| 073551 | ASAHI REF CANADA LTD | 414.900 | 413.945 | 0.9977 | 2019 |
| 073552 | ASAHI REF CANADA LTD | 407.800 | 406.862 | 0.9977 | 2019 |
| 073553 | ASAHI REF CANADA LTD | 413.450 | 412.499 | 0.9977 | 2019 |
| 073554 | ASAHI REF CANADA LTD | 408.200 | 407.302 | 0.9978 | 2019 |
| 073555 | ASAHI REF CANADA LTD | 408.700 | 407.800 | 0.9978 | 2019 |
| 073556 | ASAHI REF CANADA LTD | 413.700 | 412.789 | 0.9978 | 2019 |
| 073557 | ASAHI REF CANADA LTD | 413.425 | 412.515 | 0.9978 | 2019 |
| 073558 | ASAHI REF CANADA LTD | 408.700 | 407.800 | 0.9978 | 2019 |
| 073559 | ASAHI REF CANADA LTD | 404.450 | 403.560 | 0.9978 | 2019 |
| 073560 | ASAHI REF CANADA LTD | 401.050 | 400.849 | 0.9995 | 2019 |
| 073561 | ASAHI REF CANADA LTD | 420.225 | 420.014 | 0.9995 | 2019 |
| 073562 | ASAHI REF CANADA LTD | 401.550 | 401.349 | 0.9995 | 2019 |
| 073563 | ASAHI REF CANADA LTD | 400.725 | 400.685 | 0.9999 | 2019 |
| 073564 | ASAHI REF CANADA LTD | 406.800 | 406.759 | 0.9999 | 2019 |
| 073565 | ASAHI REF CANADA LTD | 401.225 | 401.184 | 0.9999 | 2019 |
| 073566 | ASAHI REF CANADA LTD | 415.525 | 415.483 | 0.9999 | 2019 |
| 073567 | ASAHI REF CANADA LTD | 401.925 | 401.884 | 0.9999 | 2019 |
| 073568 | ASAHI REF CANADA LTD | 412.875 | 412.833 | 0.9999 | 2019 |
| 073569 | ASAHI REF CANADA LTD | 411.975 | 411.933 | 0.9999 | 2019 |
| 073570 | ASAHI REF CANADA LTD | 408.775 | 408.734 | 0.9999 | 2019 |
| 073571 | ASAHI REF CANADA LTD | 395.325 | 395.285 | 0.9999 | 2019 |
| 073572 | ASAHI REF CANADA LTD | 396.250 | 396.210 | 0.9999 | 2019 |
| 073573 | ASAHI REF CANADA LTD | 405.500 | 405.459 | 0.9999 | 2019 |

|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 073574 | ASAHI REF CANADA LTD | 418.225 | 418.183 | 0.9999 | 2019 |
| 073575 | ASAHI REF CANADA LTD | 412.500 | 412.458 | 0.9999 | 2019 |
| 073576 | ASAHI REF CANADA LTD | 417.025 | 416.983 | 0.9999 | 2019 |
| 073577 | ASAHI REF CANADA LTD | 405.525 | 405.484 | 0.9999 | 2019 |
| 073578 | ASAHI REF CANADA LTD | 400.850 | 400.810 | 0.9999 | 2019 |
| 073579 | ASAHI REF CANADA LTD | 412.750 | 412.708 | 0.9999 | 2019 |
| 073580 | ASAHI REF CANADA LTD | 403.525 | 403.484 | 0.9999 | 2019 |
| 073581 | ASAHI REF CANADA LTD | 416.200 | 416.158 | 0.9999 | 2019 |
| 073582 | ASAHI REF CANADA LTD | 413.875 | 413.833 | 0.9999 | 2019 |
| 073583 | ASAHI REF CANADA LTD | 407.250 | 407.209 | 0.9999 | 2019 |
| 073584 | ASAHI REF CANADA LTD | 406.425 | 406.384 | 0.9999 | 2019 |
| 073585 | ASAHI REF CANADA LTD | 414.025 | 413.983 | 0.9999 | 2019 |
| 073586 | ASAHI REF CANADA LTD | 402.775 | 402.734 | 0.9999 | 2019 |
| 073587 | ASAHI REF CANADA LTD | 414.475 | 414.433 | 0.9999 | 2019 |
| 073588 | ASAHI REF CANADA LTD | 411.525 | 411.483 | 0.9999 | 2019 |
| 073589 | ASAHI REF CANADA LTD | 420.775 | 420.733 | 0.9999 | 2019 |
| 073590 | ASAHI REF CANADA LTD | 410.300 | 410.259 | 0.9999 | 2019 |
| 073591 | ASAHI REF CANADA LTD | 412.325 | 412.283 | 0.9999 | 2019 |
| 073592 | ASAHI REF CANADA LTD | 398.750 | 398.710 | 0.9999 | 2019 |
| 073593 | ASAHI REF CANADA LTD | 414.150 | 414.108 | 0.9999 | 2019 |
| 073594 | ASAHI REF CANADA LTD | 405.375 | 405.334 | 0.9999 | 2019 |
| 073595 | ASAHI REF CANADA LTD | 405.800 | 405.759 | 0.9999 | 2019 |
| 073596 | ASAHI REF CANADA LTD | 407.050 | 407.009 | 0.9999 | 2019 |
| 075017 | PRIOKSKY             | 386.150 | 386.111 | 0.9999 | 2019 |
| 075226 | ASAHI REF CANADA LTD | 416.175 | 415.093 | 0.9974 | 2019 |
| 075227 | ASAHI REF CANADA LTD | 404.825 | 403.772 | 0.9974 | 2019 |
| 075228 | ASAHI REF CANADA LTD | 428.175 | 427.061 | 0.9974 | 2019 |
| 075229 | ASAHI REF CANADA LTD | 410.450 | 409.382 | 0.9974 | 2019 |
| 075230 | ASAHI REF CANADA LTD | 415.950 | 414.868 | 0.9974 | 2019 |
| 075231 | ASAHI REF CANADA LTD | 420.850 | 419.755 | 0.9974 | 2019 |
| 075232 | ASAHI REF CANADA LTD | 420.000 | 418.908 | 0.9974 | 2019 |
| 075233 | ASAHI REF CANADA LTD | 428.725 | 427.610 | 0.9974 | 2019 |
| 075234 | ASAHI REF CANADA LTD | 419.000 | 417.910 | 0.9974 | 2019 |
| 075235 | ASAHI REF CANADA LTD | 417.500 | 416.498 | 0.9976 | 2019 |
| 075236 | ASAHI REF CANADA LTD | 414.600 | 413.605 | 0.9976 | 2019 |
| 075237 | ASAHI REF CANADA LTD | 416.875 | 415.874 | 0.9976 | 2019 |
| 075238 | ASAHI REF CANADA LTD | 423.575 | 422.558 | 0.9976 | 2019 |
| 075239 | ASAHI REF CANADA LTD | 422.750 | 421.735 | 0.9976 | 2019 |
| 075240 | ASAHI REF CANADA LTD | 414.350 | 413.645 | 0.9983 | 2019 |
| 075241 | ASAHI REF CANADA LTD | 423.350 | 422.630 | 0.9983 | 2019 |
| 075242 | ASAHI REF CANADA LTD | 421.825 | 421.107 | 0.9983 | 2019 |
| 075243 | ASAHI REF CANADA LTD | 424.250 | 423.528 | 0.9983 | 2019 |
| 075244 | ASAHI REF CANADA LTD | 429.975 | 429.244 | 0.9983 | 2019 |
| 075245 | ASAHI REF CANADA LTD | 424.125 | 423.404 | 0.9983 | 2019 |
| 075246 | ASAHI REF CANADA LTD | 410.975 | 410.892 | 0.9998 | 2019 |
| 075247 | ASAHI REF CANADA LTD | 421.175 | 421.090 | 0.9998 | 2019 |
| 075248 | ASAHI REF CANADA LTD | 427.350 | 427.264 | 0.9998 | 2019 |
| 075249 | ASAHI REF CANADA LTD | 417.250 | 417.166 | 0.9998 | 2019 |
| 075250 | ASAHI REF CANADA LTD | 426.975 | 426.889 | 0.9998 | 2019 |
| 075251 | ASAHI REF CANADA LTD | 410.475 | 410.393 | 0.9998 | 2019 |

|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 075252 | ASAHI REF CANADA LTD | 410.200 | 410.118 | 0.9998 | 2019 |
| 075253 | ASAHI REF CANADA LTD | 401.025 | 400.944 | 0.9998 | 2019 |
| 075254 | ASAHI REF CANADA LTD | 405.575 | 405.493 | 0.9998 | 2019 |
| 075255 | ASAHI REF CANADA LTD | 416.475 | 416.391 | 0.9998 | 2019 |
| 075256 | ASAHI REF CANADA LTD | 411.125 | 411.042 | 0.9998 | 2019 |
| 075257 | ASAHI REF CANADA LTD | 406.900 | 406.818 | 0.9998 | 2019 |
| 075258 | ASAHI REF CANADA LTD | 418.625 | 418.541 | 0.9998 | 2019 |
| 075259 | ASAHI REF CANADA LTD | 423.525 | 423.440 | 0.9998 | 2019 |
| 075260 | ASAHI REF CANADA LTD | 429.475 | 429.389 | 0.9998 | 2019 |
| 075261 | ASAHI REF CANADA LTD | 416.075 | 415.991 | 0.9998 | 2019 |
| 075262 | ASAHI REF CANADA LTD | 425.550 | 425.464 | 0.9998 | 2019 |
| 076409 | ASAHI REF CANADA LTD | 409.125 | 409.002 | 0.9997 | 2019 |
| 076410 | ASAHI REF CANADA LTD | 402.975 | 402.854 | 0.9997 | 2019 |
| 076826 | ASAHI REF CANADA LTD | 407.000 | 406.959 | 0.9999 | 2019 |
| 076827 | ASAHI REF CANADA LTD | 399.475 | 399.435 | 0.9999 | 2019 |
| 077618 | ASAHI REF CANADA LTD | 396.625 | 395.593 | 0.9974 | 2019 |
| 077619 | ASAHI REF CANADA LTD | 399.475 | 398.436 | 0.9974 | 2019 |
| 077620 | ASAHI REF CANADA LTD | 410.275 | 409.208 | 0.9974 | 2019 |
| 077621 | ASAHI REF CANADA LTD | 397.775 | 396.740 | 0.9974 | 2019 |
| 077622 | ASAHI REF CANADA LTD | 423.850 | 422.748 | 0.9974 | 2019 |
| 077623 | ASAHI REF CANADA LTD | 409.875 | 408.932 | 0.9977 | 2019 |
| 077624 | ASAHI REF CANADA LTD | 399.800 | 398.880 | 0.9977 | 2019 |
| 077625 | ASAHI REF CANADA LTD | 399.350 | 398.431 | 0.9977 | 2019 |
| 077626 | ASAHI REF CANADA LTD | 427.975 | 426.990 | 0.9977 | 2019 |
| 077627 | ASAHI REF CANADA LTD | 409.150 | 408.209 | 0.9977 | 2019 |
| 077628 | ASAHI REF CANADA LTD | 406.100 | 405.166 | 0.9977 | 2019 |
| 077629 | ASAHI REF CANADA LTD | 412.000 | 410.805 | 0.9971 | 2019 |
| 077630 | ASAHI REF CANADA LTD | 399.075 | 397.917 | 0.9971 | 2019 |
| 077631 | ASAHI REF CANADA LTD | 413.250 | 412.051 | 0.9971 | 2019 |
| 077632 | ASAHI REF CANADA LTD | 395.175 | 394.029 | 0.9971 | 2019 |
| 077633 | ASAHI REF CANADA LTD | 403.025 | 401.856 | 0.9971 | 2019 |
| 077634 | ASAHI REF CANADA LTD | 421.525 | 420.302 | 0.9971 | 2019 |
| 077635 | ASAHI REF CANADA LTD | 418.000 | 416.871 | 0.9973 | 2019 |
| 077636 | ASAHI REF CANADA LTD | 409.325 | 408.219 | 0.9973 | 2019 |
| 077637 | ASAHI REF CANADA LTD | 400.600 | 399.518 | 0.9973 | 2019 |
| 077638 | ASAHI REF CANADA LTD | 415.800 | 414.677 | 0.9973 | 2019 |
| 077639 | ASAHI REF CANADA LTD | 411.375 | 410.264 | 0.9973 | 2019 |
| 077640 | ASAHI REF CANADA LTD | 407.700 | 406.599 | 0.9973 | 2019 |
| 077641 | ASAHI REF CANADA LTD | 396.025 | 394.955 | 0.9973 | 2019 |
| 077642 | ASAHI REF CANADA LTD | 410.625 | 409.516 | 0.9973 | 2019 |
| 077643 | ASAHI REF CANADA LTD | 418.700 | 417.569 | 0.9973 | 2019 |
| 077644 | ASAHI REF CANADA LTD | 404.650 | 403.557 | 0.9973 | 2019 |
| 077645 | ASAHI REF CANADA LTD | 410.975 | 409.865 | 0.9973 | 2019 |
| 077646 | ASAHI REF CANADA LTD | 422.925 | 421.656 | 0.9970 | 2019 |
| 077647 | ASAHI REF CANADA LTD | 412.875 | 411.636 | 0.9970 | 2019 |
| 077648 | ASAHI REF CANADA LTD | 404.250 | 403.037 | 0.9970 | 2019 |
| 077649 | ASAHI REF CANADA LTD | 406.750 | 405.529 | 0.9970 | 2019 |
| 077650 | ASAHI REF CANADA LTD | 403.875 | 402.663 | 0.9970 | 2019 |
| 077651 | ASAHI REF CANADA LTD | 405.100 | 403.884 | 0.9970 | 2019 |
| 079487 | ASAHI REF CANADA LTD | 426.125 | 424.804 | 0.9969 | 2019 |

|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 079488 | ASAHI REF CANADA LTD | 426.650 | 425.327 | 0.9969 | 2019 |
| 079489 | ASAHI REF CANADA LTD | 418.375 | 417.078 | 0.9969 | 2019 |
| 079490 | ASAHI REF CANADA LTD | 418.575 | 418.491 | 0.9998 | 2019 |
| 079491 | ASAHI REF CANADA LTD | 415.275 | 415.192 | 0.9998 | 2019 |
| 079492 | ASAHI REF CANADA LTD | 393.525 | 393.446 | 0.9998 | 2019 |
| 079493 | ASAHI REF CANADA LTD | 405.725 | 405.643 | 0.9998 | 2019 |
| 079494 | ASAHI REF CANADA LTD | 418.425 | 418.341 | 0.9998 | 2019 |
| 079495 | ASAHI REF CANADA LTD | 423.900 | 423.815 | 0.9998 | 2019 |
| 079496 | ASAHI REF CANADA LTD | 418.550 | 418.466 | 0.9998 | 2019 |
| 079497 | ASAHI REF CANADA LTD | 399.825 | 399.745 | 0.9998 | 2019 |
| 079498 | ASAHI REF CANADA LTD | 412.950 | 412.867 | 0.9998 | 2019 |
| 079499 | ASAHI REF CANADA LTD | 417.575 | 417.491 | 0.9998 | 2019 |
| 079500 | ASAHI REF CANADA LTD | 408.025 | 407.943 | 0.9998 | 2019 |
| 079501 | ASAHI REF CANADA LTD | 410.275 | 410.193 | 0.9998 | 2019 |
| 079502 | ASAHI REF CANADA LTD | 407.550 | 407.468 | 0.9998 | 2019 |
| 079503 | ASAHI REF CANADA LTD | 402.725 | 402.644 | 0.9998 | 2019 |
| 079504 | ASAHI REF CANADA LTD | 417.725 | 417.641 | 0.9998 | 2019 |
| 079505 | ASAHI REF CANADA LTD | 407.650 | 407.568 | 0.9998 | 2019 |
| 079506 | ASAHI REF CANADA LTD | 414.950 | 414.867 | 0.9998 | 2019 |
| 079507 | ASAHI REF CANADA LTD | 415.825 | 415.741 | 0.9998 | 2019 |
| 079508 | ASAHI REF CANADA LTD | 416.400 | 416.316 | 0.9998 | 2019 |
| 079509 | ASAHI REF CANADA LTD | 424.750 | 424.665 | 0.9998 | 2019 |
| 079510 | ASAHI REF CANADA LTD | 418.050 | 417.966 | 0.9998 | 2019 |
| 080107 | ASAHI REF CANADA LTD | 416.875 | 416.708 | 0.9996 | 2019 |
| 080210 | ALLGEMEINE           | 401.825 | 401.784 | 0.9999 | 2019 |
| 080211 | ALLGEMEINE           | 401.825 | 401.784 | 0.9999 | 2019 |
| 080212 | ALLGEMEINE           | 401.825 | 401.784 | 0.9999 | 2019 |
| 080213 | ALLGEMEINE           | 401.875 | 401.834 | 0.9999 | 2019 |
| 080214 | ALLGEMEINE           | 401.875 | 401.834 | 0.9999 | 2019 |
| 080215 | ALLGEMEINE           | 401.825 | 401.784 | 0.9999 | 2019 |
| 080216 | ALLGEMEINE           | 401.850 | 401.809 | 0.9999 | 2019 |
| 080217 | ALLGEMEINE           | 401.825 | 401.784 | 0.9999 | 2019 |
| 080218 | ALLGEMEINE           | 401.850 | 401.809 | 0.9999 | 2019 |
| 080219 | ALLGEMEINE           | 401.850 | 401.809 | 0.9999 | 2019 |
| 080220 | ALLGEMEINE           | 401.850 | 401.809 | 0.9999 | 2019 |
| 080221 | ALLGEMEINE           | 401.850 | 401.809 | 0.9999 | 2019 |
| 080222 | ALLGEMEINE           | 401.850 | 401.809 | 0.9999 | 2019 |
| 080223 | ALLGEMEINE           | 401.850 | 401.809 | 0.9999 | 2019 |
| 080224 | ALLGEMEINE           | 401.825 | 401.784 | 0.9999 | 2019 |
| 080225 | ALLGEMEINE           | 401.875 | 401.834 | 0.9999 | 2019 |
| 080226 | ALLGEMEINE           | 401.875 | 401.834 | 0.9999 | 2019 |
| 080227 | ALLGEMEINE           | 401.875 | 401.834 | 0.9999 | 2019 |
| 080228 | ALLGEMEINE           | 401.900 | 401.859 | 0.9999 | 2019 |
| 080229 | ALLGEMEINE           | 401.925 | 401.884 | 0.9999 | 2019 |
| 080230 | ALLGEMEINE           | 401.825 | 401.784 | 0.9999 | 2019 |
| 080231 | ALLGEMEINE           | 401.825 | 401.784 | 0.9999 | 2019 |
| 080232 | ALLGEMEINE           | 401.850 | 401.809 | 0.9999 | 2019 |
| 080233 | ALLGEMEINE           | 401.850 | 401.809 | 0.9999 | 2019 |
| 080234 | ALLGEMEINE           | 401.850 | 401.809 | 0.9999 | 2019 |
| 080235 | ALLGEMEINE           | 401.825 | 401.784 | 0.9999 | 2019 |



|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 080236 | ALLGEMEINE           | 401.875 | 401.834 | 0.9999 | 2019 |
| 080237 | ALLGEMEINE           | 401.850 | 401.809 | 0.9999 | 2019 |
| 080238 | ALLGEMEINE           | 401.850 | 401.809 | 0.9999 | 2019 |
| 080239 | ALLGEMEINE           | 401.875 | 401.834 | 0.9999 | 2019 |
| 080268 | ASAHI REF CANADA LTD | 414.050 | 412.807 | 0.9970 | 2019 |
| 080269 | ASAHI REF CANADA LTD | 404.100 | 402.887 | 0.9970 | 2019 |
| 080270 | ASAHI REF CANADA LTD | 399.275 | 398.077 | 0.9970 | 2019 |
| 080271 | ASAHI REF CANADA LTD | 406.800 | 405.579 | 0.9970 | 2019 |
| 080272 | ASAHI REF CANADA LTD | 403.275 | 402.065 | 0.9970 | 2019 |
| 080273 | ASAHI REF CANADA LTD | 411.325 | 410.091 | 0.9970 | 2019 |
| 080274 | ASAHI REF CANADA LTD | 407.325 | 406.103 | 0.9970 | 2019 |
| 080275 | ASAHI REF CANADA LTD | 417.275 | 416.023 | 0.9970 | 2019 |
| 080276 | ASAHI REF CANADA LTD | 399.925 | 398.725 | 0.9970 | 2019 |
| 080277 | ASAHI REF CANADA LTD | 408.825 | 407.598 | 0.9970 | 2019 |
| 080278 | ASAHI REF CANADA LTD | 412.275 | 411.038 | 0.9970 | 2019 |
| 080279 | ASAHI REF CANADA LTD | 415.575 | 414.328 | 0.9970 | 2019 |
| 080280 | ASAHI REF CANADA LTD | 418.225 | 416.970 | 0.9970 | 2019 |
| 080281 | ASAHI REF CANADA LTD | 414.025 | 412.783 | 0.9970 | 2019 |
| 080282 | ASAHI REF CANADA LTD | 411.225 | 409.991 | 0.9970 | 2019 |
| 080283 | ASAHI REF CANADA LTD | 419.650 | 418.391 | 0.9970 | 2019 |
| 080284 | ASAHI REF CANADA LTD | 409.725 | 408.495 | 0.9970 | 2019 |
| 080285 | ASAHI REF CANADA LTD | 412.850 | 411.611 | 0.9970 | 2019 |
| 080286 | ASAHI REF CANADA LTD | 414.575 | 413.331 | 0.9970 | 2019 |
| 080287 | ASAHI REF CANADA LTD | 413.025 | 411.786 | 0.9970 | 2019 |
| 080288 | ASAHI REF CANADA LTD | 408.925 | 407.698 | 0.9970 | 2019 |
| 080289 | ASAHI REF CANADA LTD | 417.125 | 415.873 | 0.9970 | 2019 |
| 080290 | ASAHI REF CANADA LTD | 411.025 | 409.792 | 0.9970 | 2019 |
| 080291 | ASAHI REF CANADA LTD | 417.325 | 416.073 | 0.9970 | 2019 |
| 080292 | ASAHI REF CANADA LTD | 410.200 | 408.969 | 0.9970 | 2019 |
| 080293 | ASAHI REF CANADA LTD | 410.000 | 408.770 | 0.9970 | 2019 |
| 080294 | ASAHI REF CANADA LTD | 401.600 | 400.395 | 0.9970 | 2019 |
| 080295 | ASAHI REF CANADA LTD | 414.450 | 413.206 | 0.9970 | 2019 |
| 081282 | ASAHI REF CANADA LTD | 415.325 | 414.743 | 0.9986 | 2019 |
| 081283 | ASAHI REF CANADA LTD | 399.550 | 398.990 | 0.9986 | 2019 |
| 081284 | ASAHI REF CANADA LTD | 393.925 | 393.373 | 0.9986 | 2019 |
| 081285 | ASAHI REF CANADA LTD | 414.425 | 413.596 | 0.9980 | 2019 |
| 081286 | ASAHI REF CANADA LTD | 423.725 | 422.877 | 0.9980 | 2019 |
| 081287 | ASAHI REF CANADA LTD | 391.950 | 391.166 | 0.9980 | 2019 |
| 081288 | ASAHI REF CANADA LTD | 399.075 | 398.276 | 0.9980 | 2019 |
| 081289 | ASAHI REF CANADA LTD | 405.450 | 404.639 | 0.9980 | 2019 |
| 081290 | ASAHI REF CANADA LTD | 403.675 | 402.787 | 0.9978 | 2019 |
| 081291 | ASAHI REF CANADA LTD | 406.950 | 406.054 | 0.9978 | 2019 |
| 081292 | ASAHI REF CANADA LTD | 403.500 | 402.612 | 0.9978 | 2019 |
| 081293 | ASAHI REF CANADA LTD | 412.675 | 411.767 | 0.9978 | 2019 |
| 081294 | ASAHI REF CANADA LTD | 416.025 | 415.109 | 0.9978 | 2019 |
| 081295 | ASAHI REF CANADA LTD | 406.775 | 405.880 | 0.9978 | 2019 |
| 081296 | ASAHI REF CANADA LTD | 402.350 | 401.585 | 0.9981 | 2019 |
| 081297 | ASAHI REF CANADA LTD | 416.225 | 415.434 | 0.9981 | 2019 |
| 081298 | ASAHI REF CANADA LTD | 396.575 | 395.821 | 0.9981 | 2019 |
| 081299 | ASAHI REF CANADA LTD | 414.200 | 413.413 | 0.9981 | 2019 |

|           |                      |         |         |        |       |
|-----------|----------------------|---------|---------|--------|-------|
| 081300    | ASAHI REF CANADA LTD | 393.900 | 393.151 | 0.9981 | 2019  |
| 081301    | ASAHI REF CANADA LTD | 391.150 | 390.406 | 0.9981 | 2019  |
| 081302    | ASAHI REF CANADA LTD | 409.125 | 408.184 | 0.9977 | 2019  |
| 081303    | ASAHI REF CANADA LTD | 399.450 | 398.531 | 0.9977 | 2019  |
| 081304    | ASAHI REF CANADA LTD | 409.275 | 408.333 | 0.9977 | 2019  |
| 081305    | ASAHI REF CANADA LTD | 412.375 | 411.426 | 0.9977 | 2019  |
| 081306    | ASAHI REF CANADA LTD | 407.800 | 407.066 | 0.9982 | 2019  |
| 081307    | ASAHI REF CANADA LTD | 399.425 | 398.706 | 0.9982 | 2019  |
| 081308    | ASAHI REF CANADA LTD | 397.150 | 396.435 | 0.9982 | 2019  |
| 081309    | ASAHI REF CANADA LTD | 406.300 | 405.568 | 0.9982 | 2019  |
| 081310    | ASAHI REF CANADA LTD | 412.125 | 411.383 | 0.9982 | 2019  |
| 081311    | ASAHI REF CANADA LTD | 411.275 | 410.534 | 0.9982 | 2019  |
| 081312    | ASAHI REF CANADA LTD | 412.700 | 411.874 | 0.9980 | 2019  |
| 081313    | ASAHI REF CANADA LTD | 426.100 | 425.247 | 0.9980 | 2019  |
| 081314    | ASAHI REF CANADA LTD | 412.925 | 412.099 | 0.9980 | 2019  |
| 081315    | ASAHI REF CANADA LTD | 409.300 | 408.481 | 0.9980 | 2019  |
| 081316    | ASAHI REF CANADA LTD | 413.150 | 412.323 | 0.9980 | 2019  |
| 081317    | ASAHI REF CANADA LTD | 412.975 | 412.025 | 0.9977 | 2019  |
| 081318    | ASAHI REF CANADA LTD | 406.825 | 405.889 | 0.9977 | 2019  |
| 081319    | ASAHI REF CANADA LTD | 398.450 | 397.533 | 0.9977 | 2019  |
| 081320    | ASAHI REF CANADA LTD | 400.125 | 399.204 | 0.9977 | 2019  |
| 081321    | ASAHI REF CANADA LTD | 426.800 | 425.733 | 0.9975 | 2019  |
| 081322    | ASAHI REF CANADA LTD | 421.100 | 420.047 | 0.9975 | 2019  |
| 081323    | ASAHI REF CANADA LTD | 410.550 | 409.523 | 0.9975 | 2019  |
| 081324    | ASAHI REF CANADA LTD | 399.800 | 398.800 | 0.9975 | 2019  |
| 081325    | ASAHI REF CANADA LTD | 416.450 | 415.408 | 0.9975 | 2019  |
| 081326    | ASAHI REF CANADA LTD | 404.800 | 403.788 | 0.9975 | 2019  |
| 081327    | ASAHI REF CANADA LTD | 414.975 | 414.103 | 0.9979 | 2019  |
| 081328    | ASAHI REF CANADA LTD | 407.000 | 406.145 | 0.9979 | 2019  |
| 081329    | ASAHI REF CANADA LTD | 400.875 | 400.033 | 0.9979 | 2019  |
| 081330    | ASAHI REF CANADA LTD | 408.075 | 407.218 | 0.9979 | 2019  |
| 081331    | ASAHI REF CANADA LTD | 406.350 | 405.496 | 0.9979 | 2019  |
| 081332    | ASAHI REF CANADA LTD | 409.575 | 408.305 | 0.9969 | 2019  |
| 081333    | ASAHI REF CANADA LTD | 395.250 | 394.024 | 0.9969 | 2019  |
| 081334    | ASAHI REF CANADA LTD | 400.525 | 399.283 | 0.9969 | 2019  |
| 081335    | ASAHI REF CANADA LTD | 405.575 | 404.317 | 0.9969 | 2019  |
| 081336    | ASAHI REF CANADA LTD | 404.250 | 402.996 | 0.9969 | 2019  |
| 081337    | ASAHI REF CANADA LTD | 396.375 | 395.106 | 0.9968 | 2019  |
| 081338    | ASAHI REF CANADA LTD | 392.550 | 391.293 | 0.9968 | 2019  |
| 081339    | ASAHI REF CANADA LTD | 399.325 | 398.047 | 0.9968 | 2019  |
| 081340    | ASAHI REF CANADA LTD | 397.450 | 396.178 | 0.9968 | 2019  |
| 0819/0204 | C HAFNER             | 401.850 | 401.809 | 0.9999 | 82019 |
| 0819/0205 | C HAFNER             | 401.875 | 401.834 | 0.9999 | 82019 |
| 0819/0206 | C HAFNER             | 401.875 | 401.834 | 0.9999 | 82019 |
| 0819/0207 | C HAFNER             | 401.875 | 401.834 | 0.9999 | 82019 |
| 0819/0208 | C HAFNER             | 401.875 | 401.834 | 0.9999 | 82019 |
| 0819/0209 | C HAFNER             | 401.875 | 401.834 | 0.9999 | 82019 |
| 0819/0210 | C HAFNER             | 401.875 | 401.834 | 0.9999 | 82019 |
| 0819/0211 | C HAFNER             | 401.875 | 401.834 | 0.9999 | 82019 |
| 0819/0212 | C HAFNER             | 401.875 | 401.834 | 0.9999 | 82019 |

|           |                      |         |         |        |       |
|-----------|----------------------|---------|---------|--------|-------|
| 0819/0213 | C HAFNER             | 401.875 | 401.834 | 0.9999 | 82019 |
| 0819/0214 | C HAFNER             | 401.875 | 401.834 | 0.9999 | 82019 |
| 0819/0215 | C HAFNER             | 401.850 | 401.809 | 0.9999 | 82019 |
| 0819/0216 | C HAFNER             | 401.875 | 401.834 | 0.9999 | 82019 |
| 0819/0217 | C HAFNER             | 401.850 | 401.809 | 0.9999 | 82019 |
| 0819/0218 | C HAFNER             | 401.875 | 401.834 | 0.9999 | 82019 |
| 0819/0219 | C HAFNER             | 401.850 | 401.809 | 0.9999 | 82019 |
| 083179    | ASAHI REF CANADA LTD | 403.525 | 402.395 | 0.9972 | 2020  |
| 083180    | ASAHI REF CANADA LTD | 413.375 | 412.217 | 0.9972 | 2020  |
| 083181    | ASAHI REF CANADA LTD | 417.700 | 416.530 | 0.9972 | 2020  |
| 083182    | ASAHI REF CANADA LTD | 405.600 | 404.464 | 0.9972 | 2020  |
| 083183    | ASAHI REF CANADA LTD | 397.400 | 396.287 | 0.9972 | 2020  |
| 083184    | ASAHI REF CANADA LTD | 402.375 | 401.248 | 0.9972 | 2020  |
| 083185    | ASAHI REF CANADA LTD | 418.225 | 417.012 | 0.9971 | 2020  |
| 083186    | ASAHI REF CANADA LTD | 402.100 | 400.934 | 0.9971 | 2020  |
| 083187    | ASAHI REF CANADA LTD | 392.425 | 391.287 | 0.9971 | 2020  |
| 083188    | ASAHI REF CANADA LTD | 415.150 | 413.946 | 0.9971 | 2020  |
| 083189    | ASAHI REF CANADA LTD | 418.750 | 417.577 | 0.9972 | 2020  |
| 083190    | ASAHI REF CANADA LTD | 415.550 | 414.386 | 0.9972 | 2020  |
| 083191    | ASAHI REF CANADA LTD | 402.625 | 401.497 | 0.9972 | 2020  |
| 083192    | ASAHI REF CANADA LTD | 404.325 | 403.192 | 0.9972 | 2020  |
| 083193    | ASAHI REF CANADA LTD | 397.450 | 396.337 | 0.9972 | 2020  |
| 083194    | ASAHI REF CANADA LTD | 403.350 | 402.382 | 0.9976 | 2020  |
| 083195    | ASAHI REF CANADA LTD | 410.350 | 409.365 | 0.9976 | 2020  |
| 083196    | ASAHI REF CANADA LTD | 407.850 | 406.871 | 0.9976 | 2020  |
| 083197    | ASAHI REF CANADA LTD | 416.825 | 415.824 | 0.9976 | 2020  |
| 083198    | ASAHI REF CANADA LTD | 407.975 | 406.995 | 0.9976 | 2020  |
| 083199    | ASAHI REF CANADA LTD | 409.725 | 408.741 | 0.9976 | 2020  |
| 083200    | ASAHI REF CANADA LTD | 412.975 | 411.983 | 0.9976 | 2020  |
| 083201    | ASAHI REF CANADA LTD | 399.925 | 398.965 | 0.9976 | 2020  |
| 083202    | ASAHI REF CANADA LTD | 404.475 | 403.504 | 0.9976 | 2020  |
| 083203    | ASAHI REF CANADA LTD | 396.575 | 395.623 | 0.9976 | 2020  |
| 083204    | ASAHI REF CANADA LTD | 397.025 | 396.072 | 0.9976 | 2020  |
| 083205    | ASAHI REF CANADA LTD | 402.425 | 401.459 | 0.9976 | 2020  |
| 083206    | ASAHI REF CANADA LTD | 407.900 | 406.921 | 0.9976 | 2020  |
| 083207    | ASAHI REF CANADA LTD | 403.425 | 402.456 | 0.9976 | 2020  |
| 083208    | ASAHI REF CANADA LTD | 411.975 | 410.986 | 0.9976 | 2020  |
| 083209    | ASAHI REF CANADA LTD | 420.400 | 419.391 | 0.9976 | 2020  |
| 083210    | ASAHI REF CANADA LTD | 417.200 | 416.198 | 0.9976 | 2020  |
| 083211    | ASAHI REF CANADA LTD | 413.900 | 412.906 | 0.9976 | 2020  |
| 083212    | ASAHI REF CANADA LTD | 400.025 | 399.105 | 0.9977 | 2020  |
| 083213    | ASAHI REF CANADA LTD | 408.725 | 407.785 | 0.9977 | 2020  |
| 083214    | ASAHI REF CANADA LTD | 415.175 | 414.220 | 0.9977 | 2020  |
| 083215    | ASAHI REF CANADA LTD | 405.750 | 404.816 | 0.9977 | 2020  |
| 083216    | ASAHI REF CANADA LTD | 425.250 | 424.229 | 0.9976 | 2020  |
| 083217    | ASAHI REF CANADA LTD | 420.375 | 419.366 | 0.9976 | 2020  |
| 083218    | ASAHI REF CANADA LTD | 400.625 | 399.663 | 0.9976 | 2020  |
| 083219    | ASAHI REF CANADA LTD | 384.850 | 383.926 | 0.9976 | 2020  |
| 083220    | ASAHI REF CANADA LTD | 402.825 | 401.858 | 0.9976 | 2020  |
| 083221    | ASAHI REF CANADA LTD | 400.475 | 400.354 | 0.9997 | 2020  |

|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 083222 | ASAHI REF CANADA LTD | 404.725 | 404.603 | 0.9997 | 2020 |
| 083223 | ASAHI REF CANADA LTD | 404.550 | 404.428 | 0.9997 | 2020 |
| 083224 | ASAHI REF CANADA LTD | 425.525 | 425.397 | 0.9997 | 2020 |
| 083225 | ASAHI REF CANADA LTD | 405.625 | 405.503 | 0.9997 | 2020 |
| 083226 | ASAHI REF CANADA LTD | 407.775 | 407.652 | 0.9997 | 2020 |
| 083227 | ASAHI REF CANADA LTD | 403.725 | 403.603 | 0.9997 | 2020 |
| 083228 | ASAHI REF CANADA LTD | 408.575 | 408.452 | 0.9997 | 2020 |
| 083229 | ASAHI REF CANADA LTD | 407.875 | 407.752 | 0.9997 | 2020 |
| 083230 | ASAHI REF CANADA LTD | 414.925 | 414.800 | 0.9997 | 2020 |
| 083231 | ASAHI REF CANADA LTD | 413.250 | 413.126 | 0.9997 | 2020 |
| 083232 | ASAHI REF CANADA LTD | 410.375 | 410.251 | 0.9997 | 2020 |
| 083241 | ASAHI REF CANADA LTD | 402.725 | 402.644 | 0.9998 | 2020 |
| 083242 | ASAHI REF CANADA LTD | 409.775 | 409.693 | 0.9998 | 2020 |
| 083243 | ASAHI REF CANADA LTD | 410.025 | 409.943 | 0.9998 | 2020 |
| 083244 | ASAHI REF CANADA LTD | 413.700 | 413.617 | 0.9998 | 2020 |
| 083245 | ASAHI REF CANADA LTD | 407.750 | 407.668 | 0.9998 | 2020 |
| 083246 | ASAHI REF CANADA LTD | 403.025 | 402.944 | 0.9998 | 2020 |
| 083247 | ASAHI REF CANADA LTD | 402.775 | 402.694 | 0.9998 | 2020 |
| 083248 | ASAHI REF CANADA LTD | 417.325 | 417.241 | 0.9998 | 2020 |
| 083249 | ASAHI REF CANADA LTD | 411.100 | 410.935 | 0.9996 | 2020 |
| 083250 | ASAHI REF CANADA LTD | 426.325 | 426.154 | 0.9996 | 2020 |
| 083251 | ASAHI REF CANADA LTD | 413.400 | 413.234 | 0.9996 | 2020 |
| 083413 | ASAHI REF CANADA LTD | 405.525 | 404.065 | 0.9964 | 2020 |
| 083414 | ASAHI REF CANADA LTD | 388.900 | 387.500 | 0.9964 | 2020 |
| 083415 | ASAHI REF CANADA LTD | 409.250 | 407.735 | 0.9963 | 2020 |
| 083416 | ASAHI REF CANADA LTD | 402.150 | 400.662 | 0.9963 | 2020 |
| 083417 | ASAHI REF CANADA LTD | 397.050 | 395.581 | 0.9963 | 2020 |
| 083418 | ASAHI REF CANADA LTD | 400.525 | 399.043 | 0.9963 | 2020 |
| 083419 | ASAHI REF CANADA LTD | 396.200 | 394.734 | 0.9963 | 2020 |
| 083420 | ASAHI REF CANADA LTD | 398.050 | 397.970 | 0.9998 | 2020 |
| 083421 | ASAHI REF CANADA LTD | 414.975 | 414.892 | 0.9998 | 2020 |
| 083422 | ASAHI REF CANADA LTD | 398.625 | 398.545 | 0.9998 | 2020 |
| 083423 | ASAHI REF CANADA LTD | 417.425 | 417.341 | 0.9998 | 2020 |
| 083424 | ASAHI REF CANADA LTD | 411.250 | 411.167 | 0.9998 | 2020 |
| 083425 | ASAHI REF CANADA LTD | 401.300 | 401.219 | 0.9998 | 2020 |
| 083426 | ASAHI REF CANADA LTD | 407.600 | 407.518 | 0.9998 | 2020 |
| 083427 | ASAHI REF CANADA LTD | 416.475 | 416.391 | 0.9998 | 2020 |
| 083428 | ASAHI REF CANADA LTD | 422.300 | 422.215 | 0.9998 | 2020 |
| 083429 | ASAHI REF CANADA LTD | 413.775 | 413.692 | 0.9998 | 2020 |
| 083430 | ASAHI REF CANADA LTD | 404.200 | 404.119 | 0.9998 | 2020 |
| 083431 | ASAHI REF CANADA LTD | 402.900 | 402.819 | 0.9998 | 2020 |
| 083840 | ASAHI REF CANADA LTD | 422.325 | 421.480 | 0.9980 | 2020 |
| 083841 | ASAHI REF CANADA LTD | 423.600 | 422.752 | 0.9980 | 2020 |
| 083842 | ASAHI REF CANADA LTD | 413.975 | 413.147 | 0.9980 | 2020 |
| 083843 | ASAHI REF CANADA LTD | 407.800 | 406.984 | 0.9980 | 2020 |
| 083844 | ASAHI REF CANADA LTD | 407.150 | 406.335 | 0.9980 | 2020 |
| 083845 | ASAHI REF CANADA LTD | 412.075 | 411.086 | 0.9976 | 2020 |
| 083846 | ASAHI REF CANADA LTD | 404.050 | 403.080 | 0.9976 | 2020 |
| 083847 | ASAHI REF CANADA LTD | 416.225 | 415.226 | 0.9976 | 2020 |
| 083848 | ASAHI REF CANADA LTD | 416.450 | 415.450 | 0.9976 | 2020 |

|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 083849 | ASAHI REF CANADA LTD | 419.050 | 418.044 | 0.9976 | 2020 |
| 083850 | ASAHI REF CANADA LTD | 423.325 | 422.309 | 0.9976 | 2020 |
| 083851 | ASAHI REF CANADA LTD | 413.600 | 412.814 | 0.9981 | 2020 |
| 083852 | ASAHI REF CANADA LTD | 412.250 | 411.466 | 0.9981 | 2020 |
| 083853 | ASAHI REF CANADA LTD | 428.350 | 427.536 | 0.9981 | 2020 |
| 083854 | ASAHI REF CANADA LTD | 420.975 | 420.175 | 0.9981 | 2020 |
| 083855 | ASAHI REF CANADA LTD | 408.450 | 407.674 | 0.9981 | 2020 |
| 083856 | ASAHI REF CANADA LTD | 409.300 | 408.522 | 0.9981 | 2020 |
| 083857 | ASAHI REF CANADA LTD | 414.050 | 413.139 | 0.9978 | 2020 |
| 083858 | ASAHI REF CANADA LTD | 400.875 | 399.993 | 0.9978 | 2020 |
| 083859 | ASAHI REF CANADA LTD | 423.850 | 422.917 | 0.9978 | 2020 |
| 083860 | ASAHI REF CANADA LTD | 416.875 | 415.957 | 0.9978 | 2020 |
| 083861 | ASAHI REF CANADA LTD | 410.950 | 410.046 | 0.9978 | 2020 |
| 083862 | ASAHI REF CANADA LTD | 417.750 | 416.914 | 0.9980 | 2020 |
| 083863 | ASAHI REF CANADA LTD | 421.250 | 420.407 | 0.9980 | 2020 |
| 083864 | ASAHI REF CANADA LTD | 422.275 | 421.430 | 0.9980 | 2020 |
| 083865 | ASAHI REF CANADA LTD | 416.875 | 416.041 | 0.9980 | 2020 |
| 083866 | ASAHI REF CANADA LTD | 411.700 | 410.876 | 0.9980 | 2020 |
| 083867 | ASAHI REF CANADA LTD | 418.650 | 417.812 | 0.9980 | 2020 |
| 083868 | ASAHI REF CANADA LTD | 415.125 | 414.045 | 0.9974 | 2020 |
| 083869 | ASAHI REF CANADA LTD | 411.450 | 410.380 | 0.9974 | 2020 |
| 083870 | ASAHI REF CANADA LTD | 428.050 | 426.937 | 0.9974 | 2020 |
| 083871 | ASAHI REF CANADA LTD | 418.625 | 417.536 | 0.9974 | 2020 |
| 083872 | ASAHI REF CANADA LTD | 421.375 | 420.279 | 0.9974 | 2020 |
| 083873 | ASAHI REF CANADA LTD | 409.500 | 408.476 | 0.9975 | 2020 |
| 083874 | ASAHI REF CANADA LTD | 423.175 | 422.117 | 0.9975 | 2020 |
| 083875 | ASAHI REF CANADA LTD | 425.050 | 423.987 | 0.9975 | 2020 |
| 083876 | ASAHI REF CANADA LTD | 405.850 | 404.835 | 0.9975 | 2020 |
| 083877 | ASAHI REF CANADA LTD | 417.275 | 416.231 | 0.9975 | 2020 |
| 083878 | ASAHI REF CANADA LTD | 413.550 | 412.681 | 0.9979 | 2020 |
| 083879 | ASAHI REF CANADA LTD | 416.425 | 415.550 | 0.9979 | 2020 |
| 083880 | ASAHI REF CANADA LTD | 424.125 | 423.234 | 0.9979 | 2020 |
| 083881 | ASAHI REF CANADA LTD | 425.925 | 425.030 | 0.9979 | 2020 |
| 083882 | ASAHI REF CANADA LTD | 425.000 | 424.107 | 0.9979 | 2020 |
| 083883 | ASAHI REF CANADA LTD | 408.050 | 407.152 | 0.9978 | 2020 |
| 083884 | ASAHI REF CANADA LTD | 408.700 | 407.800 | 0.9978 | 2020 |
| 083885 | ASAHI REF CANADA LTD | 406.775 | 405.880 | 0.9978 | 2020 |
| 083886 | ASAHI REF CANADA LTD | 410.925 | 410.021 | 0.9978 | 2020 |
| 083887 | ASAHI REF CANADA LTD | 392.075 | 391.212 | 0.9978 | 2020 |
| 083888 | ASAHI REF CANADA LTD | 401.425 | 400.541 | 0.9978 | 2020 |
| 083889 | ASAHI REF CANADA LTD | 410.125 | 409.099 | 0.9975 | 2020 |
| 083890 | ASAHI REF CANADA LTD | 408.825 | 407.803 | 0.9975 | 2020 |
| 083891 | ASAHI REF CANADA LTD | 411.000 | 409.972 | 0.9975 | 2020 |
| 083892 | ASAHI REF CANADA LTD | 407.500 | 406.481 | 0.9975 | 2020 |
| 083893 | ASAHI REF CANADA LTD | 411.150 | 410.122 | 0.9975 | 2020 |
| 083894 | ASAHI REF CANADA LTD | 428.050 | 427.450 | 0.9986 | 2020 |
| 083895 | ASAHI REF CANADA LTD | 415.625 | 415.043 | 0.9986 | 2020 |
| 083896 | ASAHI REF CANADA LTD | 408.400 | 407.828 | 0.9986 | 2020 |
| 083897 | ASAHI REF CANADA LTD | 417.575 | 416.990 | 0.9986 | 2020 |
| 083898 | ASAHI REF CANADA LTD | 418.300 | 417.714 | 0.9986 | 2020 |



|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 083899 | ASAHI REF CANADA LTD | 408.125 | 407.308 | 0.9980 | 2020 |
| 083900 | ASAHI REF CANADA LTD | 409.575 | 408.755 | 0.9980 | 2020 |
| 083901 | ASAHI REF CANADA LTD | 400.100 | 399.299 | 0.9980 | 2020 |
| 083902 | ASAHI REF CANADA LTD | 409.375 | 408.556 | 0.9980 | 2020 |
| 083903 | ASAHI REF CANADA LTD | 426.775 | 425.921 | 0.9980 | 2020 |
| 083904 | ASAHI REF CANADA LTD | 390.975 | 390.193 | 0.9980 | 2020 |
| 083907 | ASAHI REF CANADA LTD | 399.925 | 399.165 | 0.9981 | 2020 |
| 083908 | ASAHI REF CANADA LTD | 402.150 | 401.386 | 0.9981 | 2020 |
| 083909 | ASAHI REF CANADA LTD | 399.575 | 398.815 | 0.9981 | 2020 |
| 083910 | ASAHI REF CANADA LTD | 404.900 | 404.130 | 0.9981 | 2020 |
| 083911 | ASAHI REF CANADA LTD | 406.150 | 406.068 | 0.9998 | 2020 |
| 083912 | ASAHI REF CANADA LTD | 410.325 | 410.243 | 0.9998 | 2020 |
| 083913 | ASAHI REF CANADA LTD | 395.700 | 395.620 | 0.9998 | 2020 |
| 083914 | ASAHI REF CANADA LTD | 403.925 | 403.844 | 0.9998 | 2020 |
| 083915 | ASAHI REF CANADA LTD | 406.325 | 406.203 | 0.9997 | 2020 |
| 083916 | ASAHI REF CANADA LTD | 413.775 | 413.650 | 0.9997 | 2020 |
| 083917 | ASAHI REF CANADA LTD | 419.125 | 418.999 | 0.9997 | 2020 |
| 083918 | ASAHI REF CANADA LTD | 409.325 | 407.565 | 0.9957 | 2020 |
| 083919 | ASAHI REF CANADA LTD | 395.925 | 394.222 | 0.9957 | 2020 |
| 083920 | ASAHI REF CANADA LTD | 409.800 | 408.037 | 0.9957 | 2020 |
| 083921 | ASAHI REF CANADA LTD | 428.475 | 426.632 | 0.9957 | 2020 |
| 083922 | ASAHI REF CANADA LTD | 395.700 | 393.998 | 0.9957 | 2020 |
| 083923 | ASAHI REF CANADA LTD | 416.200 | 414.410 | 0.9957 | 2020 |
| 083924 | ASAHI REF CANADA LTD | 407.300 | 406.037 | 0.9969 | 2020 |
| 083925 | ASAHI REF CANADA LTD | 404.125 | 402.872 | 0.9969 | 2020 |
| 083926 | ASAHI REF CANADA LTD | 412.150 | 410.872 | 0.9969 | 2020 |
| 083927 | ASAHI REF CANADA LTD | 410.525 | 409.252 | 0.9969 | 2020 |
| 083928 | ASAHI REF CANADA LTD | 414.625 | 413.339 | 0.9969 | 2020 |
| 083929 | ASAHI REF CANADA LTD | 408.925 | 407.657 | 0.9969 | 2020 |
| 083930 | ASAHI REF CANADA LTD | 405.025 | 404.012 | 0.9975 | 2020 |
| 083931 | ASAHI REF CANADA LTD | 401.750 | 400.745 | 0.9975 | 2020 |
| 083932 | ASAHI REF CANADA LTD | 411.200 | 410.172 | 0.9975 | 2020 |
| 083933 | ASAHI REF CANADA LTD | 399.600 | 398.601 | 0.9975 | 2020 |
| 083934 | ASAHI REF CANADA LTD | 397.900 | 396.905 | 0.9975 | 2020 |
| 083935 | ASAHI REF CANADA LTD | 416.425 | 415.175 | 0.9970 | 2020 |
| 083936 | ASAHI REF CANADA LTD | 401.075 | 399.871 | 0.9970 | 2020 |
| 083937 | ASAHI REF CANADA LTD | 421.800 | 420.534 | 0.9970 | 2020 |
| 083938 | ASAHI REF CANADA LTD | 411.150 | 409.916 | 0.9970 | 2020 |
| 083939 | ASAHI REF CANADA LTD | 405.775 | 404.557 | 0.9970 | 2020 |
| 083940 | ASAHI REF CANADA LTD | 410.100 | 408.869 | 0.9970 | 2020 |
| 083941 | ASAHI REF CANADA LTD | 413.825 | 412.583 | 0.9970 | 2020 |
| 083942 | ASAHI REF CANADA LTD | 410.075 | 408.844 | 0.9970 | 2020 |
| 083943 | ASAHI REF CANADA LTD | 404.850 | 403.635 | 0.9970 | 2020 |
| 083944 | ASAHI REF CANADA LTD | 410.725 | 409.492 | 0.9970 | 2020 |
| 083945 | ASAHI REF CANADA LTD | 397.350 | 396.158 | 0.9970 | 2020 |
| 083946 | ASAHI REF CANADA LTD | 403.425 | 402.214 | 0.9970 | 2020 |
| 083947 | ASAHI REF CANADA LTD | 413.700 | 412.417 | 0.9969 | 2020 |
| 083948 | ASAHI REF CANADA LTD | 412.225 | 410.947 | 0.9969 | 2020 |
| 083949 | ASAHI REF CANADA LTD | 415.725 | 414.436 | 0.9969 | 2020 |
| 083950 | ASAHI REF CANADA LTD | 402.175 | 400.928 | 0.9969 | 2020 |

|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 083951 | ASAHI REF CANADA LTD | 404.250 | 402.996 | 0.9969 | 2020 |
| 083952 | ASAHI REF CANADA LTD | 412.975 | 411.694 | 0.9969 | 2020 |
| 083953 | ASAHI REF CANADA LTD | 398.350 | 397.115 | 0.9969 | 2020 |
| 083954 | ASAHI REF CANADA LTD | 423.600 | 422.286 | 0.9969 | 2020 |
| 083955 | ASAHI REF CANADA LTD | 411.175 | 409.900 | 0.9969 | 2020 |
| 083956 | ASAHI REF CANADA LTD | 427.425 | 426.100 | 0.9969 | 2020 |
| 083957 | ASAHI REF CANADA LTD | 409.850 | 408.579 | 0.9969 | 2020 |
| 083958 | ASAHI REF CANADA LTD | 411.625 | 410.349 | 0.9969 | 2020 |
| 083959 | ASAHI REF CANADA LTD | 417.675 | 417.591 | 0.9998 | 2020 |
| 083960 | ASAHI REF CANADA LTD | 410.875 | 410.792 | 0.9998 | 2020 |
| 083961 | ASAHI REF CANADA LTD | 408.250 | 408.168 | 0.9998 | 2020 |
| 083962 | ASAHI REF CANADA LTD | 420.000 | 419.916 | 0.9998 | 2020 |
| 083963 | ASAHI REF CANADA LTD | 417.425 | 417.341 | 0.9998 | 2020 |
| 083964 | ASAHI REF CANADA LTD | 418.550 | 418.466 | 0.9998 | 2020 |
| 083965 | ASAHI REF CANADA LTD | 412.975 | 412.892 | 0.9998 | 2020 |
| 083966 | ASAHI REF CANADA LTD | 409.600 | 409.518 | 0.9998 | 2020 |
| 083967 | ASAHI REF CANADA LTD | 405.050 | 404.969 | 0.9998 | 2020 |
| 083968 | ASAHI REF CANADA LTD | 418.600 | 418.516 | 0.9998 | 2020 |
| 083969 | ASAHI REF CANADA LTD | 413.500 | 413.417 | 0.9998 | 2020 |
| 083970 | ASAHI REF CANADA LTD | 389.350 | 389.272 | 0.9998 | 2020 |
| 083971 | ASAHI REF CANADA LTD | 406.325 | 406.243 | 0.9998 | 2020 |
| 083972 | ASAHI REF CANADA LTD | 407.200 | 407.118 | 0.9998 | 2020 |
| 083973 | ASAHI REF CANADA LTD | 397.275 | 397.195 | 0.9998 | 2020 |
| 083974 | ASAHI REF CANADA LTD | 417.800 | 417.716 | 0.9998 | 2020 |
| 083975 | ASAHI REF CANADA LTD | 409.650 | 409.568 | 0.9998 | 2020 |
| 083976 | ASAHI REF CANADA LTD | 410.475 | 410.393 | 0.9998 | 2020 |
| 083977 | ASAHI REF CANADA LTD | 399.300 | 399.220 | 0.9998 | 2020 |
| 083978 | ASAHI REF CANADA LTD | 406.325 | 406.243 | 0.9998 | 2020 |
| 083979 | ASAHI REF CANADA LTD | 419.275 | 419.191 | 0.9998 | 2020 |
| 083980 | ASAHI REF CANADA LTD | 419.475 | 419.433 | 0.9999 | 2020 |
| 083981 | ASAHI REF CANADA LTD | 419.325 | 419.283 | 0.9999 | 2020 |
| 083982 | ASAHI REF CANADA LTD | 400.300 | 400.260 | 0.9999 | 2020 |
| 083983 | ASAHI REF CANADA LTD | 407.525 | 407.484 | 0.9999 | 2020 |
| 083984 | ASAHI REF CANADA LTD | 392.850 | 392.810 | 0.9999 | 2020 |
| 083985 | ASAHI REF CANADA LTD | 397.575 | 396.501 | 0.9973 | 2020 |
| 083986 | ASAHI REF CANADA LTD | 397.150 | 396.077 | 0.9973 | 2020 |
| 083987 | ASAHI REF CANADA LTD | 404.775 | 403.682 | 0.9973 | 2020 |
| 083988 | ASAHI REF CANADA LTD | 404.450 | 403.358 | 0.9973 | 2020 |
| 083989 | ASAHI REF CANADA LTD | 417.400 | 416.273 | 0.9973 | 2020 |
| 083990 | ASAHI REF CANADA LTD | 409.375 | 408.269 | 0.9973 | 2020 |
| 083991 | ASAHI REF CANADA LTD | 402.650 | 401.643 | 0.9975 | 2020 |
| 083992 | ASAHI REF CANADA LTD | 409.175 | 408.152 | 0.9975 | 2020 |
| 083993 | ASAHI REF CANADA LTD | 412.825 | 411.793 | 0.9975 | 2020 |
| 083994 | ASAHI REF CANADA LTD | 402.400 | 401.394 | 0.9975 | 2020 |
| 083995 | ASAHI REF CANADA LTD | 420.625 | 419.573 | 0.9975 | 2020 |
| 083996 | ASAHI REF CANADA LTD | 411.350 | 410.321 | 0.9975 | 2020 |
| 083997 | ASAHI REF CANADA LTD | 410.250 | 409.675 | 0.9986 | 2020 |
| 084054 | ASAHI REF CANADA LTD | 403.000 | 402.153 | 0.9979 | 2020 |
| 084055 | ASAHI REF CANADA LTD | 408.275 | 407.417 | 0.9979 | 2020 |
| 084056 | ASAHI REF CANADA LTD | 397.650 | 396.815 | 0.9979 | 2020 |

|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 084057 | ASAHI REF CANADA LTD | 406.200 | 405.347 | 0.9979 | 2020 |
| 084061 | ASAHI REF CANADA LTD | 412.275 | 410.543 | 0.9958 | 2020 |
| 084062 | ASAHI REF CANADA LTD | 399.775 | 398.096 | 0.9958 | 2020 |
| 084063 | ASAHI REF CANADA LTD | 418.875 | 417.115 | 0.9958 | 2020 |
| 084064 | ASAHI REF CANADA LTD | 406.100 | 404.394 | 0.9958 | 2020 |
| 084065 | ASAHI REF CANADA LTD | 385.050 | 383.432 | 0.9958 | 2020 |
| 084066 | ASAHI REF CANADA LTD | 404.475 | 403.059 | 0.9965 | 2020 |
| 084067 | ASAHI REF CANADA LTD | 409.075 | 407.643 | 0.9965 | 2020 |
| 084068 | ASAHI REF CANADA LTD | 394.225 | 392.845 | 0.9965 | 2020 |
| 084069 | ASAHI REF CANADA LTD | 427.475 | 425.978 | 0.9965 | 2020 |
| 084070 | ASAHI REF CANADA LTD | 405.350 | 403.931 | 0.9965 | 2020 |
| 084071 | ASAHI REF CANADA LTD | 420.825 | 419.352 | 0.9965 | 2020 |
| 084072 | ASAHI REF CANADA LTD | 412.150 | 410.872 | 0.9969 | 2020 |
| 084073 | ASAHI REF CANADA LTD | 414.500 | 413.215 | 0.9969 | 2020 |
| 084074 | ASAHI REF CANADA LTD | 421.225 | 419.919 | 0.9969 | 2020 |
| 084075 | ASAHI REF CANADA LTD | 411.525 | 410.249 | 0.9969 | 2020 |
| 084076 | ASAHI REF CANADA LTD | 428.175 | 426.847 | 0.9969 | 2020 |
| 084077 | ASAHI REF CANADA LTD | 407.625 | 406.402 | 0.9970 | 2020 |
| 084078 | ASAHI REF CANADA LTD | 417.600 | 416.347 | 0.9970 | 2020 |
| 084079 | ASAHI REF CANADA LTD | 407.950 | 406.726 | 0.9970 | 2020 |
| 084080 | ASAHI REF CANADA LTD | 419.525 | 418.266 | 0.9970 | 2020 |
| 084081 | ASAHI REF CANADA LTD | 418.100 | 416.845 | 0.9970 | 2020 |
| 084082 | ASAHI REF CANADA LTD | 402.425 | 401.217 | 0.9970 | 2020 |
| 084083 | ASAHI REF CANADA LTD | 408.075 | 407.136 | 0.9977 | 2020 |
| 084084 | ASAHI REF CANADA LTD | 421.150 | 420.181 | 0.9977 | 2020 |
| 084085 | ASAHI REF CANADA LTD | 403.950 | 403.021 | 0.9977 | 2020 |
| 084086 | ASAHI REF CANADA LTD | 415.125 | 414.170 | 0.9977 | 2020 |
| 084087 | ASAHI REF CANADA LTD | 416.400 | 415.442 | 0.9977 | 2020 |
| 084088 | ASAHI REF CANADA LTD | 414.550 | 413.721 | 0.9980 | 2020 |
| 084089 | ASAHI REF CANADA LTD | 414.100 | 413.271 | 0.9980 | 2020 |
| 084090 | ASAHI REF CANADA LTD | 418.275 | 417.438 | 0.9980 | 2020 |
| 084091 | ASAHI REF CANADA LTD | 400.050 | 399.129 | 0.9977 | 2020 |
| 084092 | ASAHI REF CANADA LTD | 419.150 | 418.186 | 0.9977 | 2020 |
| 084093 | ASAHI REF CANADA LTD | 399.225 | 398.306 | 0.9977 | 2020 |
| 084094 | ASAHI REF CANADA LTD | 420.575 | 419.481 | 0.9974 | 2020 |
| 084095 | ASAHI REF CANADA LTD | 419.900 | 418.808 | 0.9974 | 2020 |
| 084096 | ASAHI REF CANADA LTD | 406.675 | 405.617 | 0.9974 | 2020 |
| 084097 | ASAHI REF CANADA LTD | 410.250 | 409.183 | 0.9974 | 2020 |
| 084098 | ASAHI REF CANADA LTD | 427.125 | 426.014 | 0.9974 | 2020 |
| 084099 | ASAHI REF CANADA LTD | 428.500 | 427.343 | 0.9973 | 2020 |
| 084100 | ASAHI REF CANADA LTD | 406.175 | 405.078 | 0.9973 | 2020 |
| 084101 | ASAHI REF CANADA LTD | 399.125 | 398.047 | 0.9973 | 2020 |
| 084102 | ASAHI REF CANADA LTD | 406.425 | 405.327 | 0.9973 | 2020 |
| 084103 | ASAHI REF CANADA LTD | 424.025 | 422.880 | 0.9973 | 2020 |
| 084104 | ASAHI REF CANADA LTD | 418.200 | 417.154 | 0.9975 | 2020 |
| 084105 | ASAHI REF CANADA LTD | 414.900 | 413.862 | 0.9975 | 2020 |
| 084106 | ASAHI REF CANADA LTD | 417.575 | 416.531 | 0.9975 | 2020 |
| 084107 | ASAHI REF CANADA LTD | 407.275 | 406.256 | 0.9975 | 2020 |
| 084108 | ASAHI REF CANADA LTD | 424.050 | 422.989 | 0.9975 | 2020 |
| 084109 | ASAHI REF CANADA LTD | 412.375 | 411.344 | 0.9975 | 2020 |

|        |                      |         |         |        |      |
|--------|----------------------|---------|---------|--------|------|
| 084110 | ASAHI REF CANADA LTD | 424.775 | 423.713 | 0.9975 | 2020 |
| 084111 | ASAHI REF CANADA LTD | 407.250 | 406.354 | 0.9978 | 2020 |
| 084112 | ASAHI REF CANADA LTD | 406.125 | 405.231 | 0.9978 | 2020 |
| 084113 | ASAHI REF CANADA LTD | 426.950 | 426.010 | 0.9978 | 2020 |
| 084114 | ASAHI REF CANADA LTD | 415.575 | 414.660 | 0.9978 | 2020 |
| 084115 | ASAHI REF CANADA LTD | 396.050 | 395.178 | 0.9978 | 2020 |
| 084116 | ASAHI REF CANADA LTD | 411.800 | 410.894 | 0.9978 | 2020 |
| 084117 | ASAHI REF CANADA LTD | 413.925 | 413.014 | 0.9978 | 2020 |
| 084118 | ASAHI REF CANADA LTD | 423.650 | 422.718 | 0.9978 | 2020 |
| 084119 | ASAHI REF CANADA LTD | 416.725 | 415.808 | 0.9978 | 2020 |
| 084120 | ASAHI REF CANADA LTD | 423.000 | 422.069 | 0.9978 | 2020 |
| 084121 | ASAHI REF CANADA LTD | 416.825 | 415.908 | 0.9978 | 2020 |
| 084122 | ASAHI REF CANADA LTD | 411.700 | 410.712 | 0.9976 | 2020 |
| 084123 | ASAHI REF CANADA LTD | 408.000 | 407.020 | 0.9976 | 2020 |
| 084124 | ASAHI REF CANADA LTD | 413.275 | 412.283 | 0.9976 | 2020 |
| 084125 | ASAHI REF CANADA LTD | 418.975 | 417.969 | 0.9976 | 2020 |
| 084126 | ASAHI REF CANADA LTD | 420.425 | 419.416 | 0.9976 | 2020 |
| 084127 | ASAHI REF CANADA LTD | 429.175 | 428.145 | 0.9976 | 2020 |
| 084128 | ASAHI REF CANADA LTD | 427.500 | 426.645 | 0.9980 | 2020 |
| 084129 | ASAHI REF CANADA LTD | 413.825 | 412.997 | 0.9980 | 2020 |
| 084130 | ASAHI REF CANADA LTD | 413.575 | 412.747 | 0.9980 | 2020 |
| 084131 | ASAHI REF CANADA LTD | 422.950 | 422.104 | 0.9980 | 2020 |
| 084132 | ASAHI REF CANADA LTD | 418.625 | 417.745 | 0.9979 | 2020 |
| 084133 | ASAHI REF CANADA LTD | 407.000 | 406.145 | 0.9979 | 2020 |
| 084134 | ASAHI REF CANADA LTD | 414.500 | 413.629 | 0.9979 | 2020 |
| 084135 | ASAHI REF CANADA LTD | 426.425 | 425.529 | 0.9979 | 2020 |
| 084136 | ASAHI REF CANADA LTD | 408.850 | 407.991 | 0.9979 | 2020 |
| 090228 | ALLGEMEINE           | 401.825 | 401.784 | 0.9999 | 2019 |
| 090229 | ALLGEMEINE           | 401.825 | 401.784 | 0.9999 | 2019 |
| 090230 | ALLGEMEINE           | 401.850 | 401.809 | 0.9999 | 2019 |
| 090231 | ALLGEMEINE           | 401.800 | 401.759 | 0.9999 | 2019 |
| 090232 | ALLGEMEINE           | 401.875 | 401.834 | 0.9999 | 2019 |
| 090233 | ALLGEMEINE           | 401.850 | 401.809 | 0.9999 | 2019 |
| 090234 | ALLGEMEINE           | 401.850 | 401.809 | 0.9999 | 2019 |
| 090235 | ALLGEMEINE           | 401.875 | 401.834 | 0.9999 | 2019 |
| 090236 | ALLGEMEINE           | 401.850 | 401.809 | 0.9999 | 2019 |
| 090237 | ALLGEMEINE           | 401.850 | 401.809 | 0.9999 | 2019 |
| 090238 | ALLGEMEINE           | 401.875 | 401.834 | 0.9999 | 2019 |
| 090239 | ALLGEMEINE           | 401.875 | 401.834 | 0.9999 | 2019 |
| 090240 | ALLGEMEINE           | 401.825 | 401.784 | 0.9999 | 2019 |
| 090241 | ALLGEMEINE           | 401.850 | 401.809 | 0.9999 | 2019 |
| 090242 | ALLGEMEINE           | 401.925 | 401.884 | 0.9999 | 2019 |
| 090243 | ALLGEMEINE           | 401.850 | 401.809 | 0.9999 | 2019 |
| 090244 | ALLGEMEINE           | 401.800 | 401.759 | 0.9999 | 2019 |
| 090245 | ALLGEMEINE           | 401.825 | 401.784 | 0.9999 | 2019 |
| 090246 | ALLGEMEINE           | 401.875 | 401.834 | 0.9999 | 2019 |
| 090247 | ALLGEMEINE           | 401.875 | 401.834 | 0.9999 | 2019 |
| 090248 | ALLGEMEINE           | 401.875 | 401.834 | 0.9999 | 2019 |
| 090249 | ALLGEMEINE           | 401.850 | 401.809 | 0.9999 | 2019 |
| 090250 | ALLGEMEINE           | 401.850 | 401.809 | 0.9999 | 2019 |

|        |                           |         |         |        |      |
|--------|---------------------------|---------|---------|--------|------|
| 090251 | ALLGEMEINE                | 401.850 | 401.809 | 0.9999 | 2019 |
| 096799 | PRIOKSKY                  | 393.250 | 393.210 | 0.9999 | 2019 |
| 096800 | PRIOKSKY                  | 400.025 | 399.985 | 0.9999 | 2019 |
| 096801 | PRIOKSKY                  | 405.400 | 405.359 | 0.9999 | 2019 |
| 096803 | PRIOKSKY                  | 397.350 | 397.310 | 0.9999 | 2019 |
| 096805 | PRIOKSKY                  | 402.825 | 402.784 | 0.9999 | 2019 |
| 096806 | PRIOKSKY                  | 395.350 | 395.310 | 0.9999 | 2019 |
| 096807 | PRIOKSKY                  | 398.325 | 398.285 | 0.9999 | 2019 |
| 096808 | PRIOKSKY                  | 394.075 | 394.035 | 0.9999 | 2019 |
| 096809 | PRIOKSKY                  | 403.750 | 403.709 | 0.9999 | 2019 |
| 096811 | PRIOKSKY                  | 389.600 | 389.561 | 0.9999 | 2019 |
| 096812 | PRIOKSKY                  | 386.000 | 385.961 | 0.9999 | 2019 |
| 096813 | PRIOKSKY                  | 409.300 | 409.259 | 0.9999 | 2019 |
| 096815 | PRIOKSKY                  | 392.300 | 392.260 | 0.9999 | 2019 |
| 096818 | PRIOKSKY                  | 384.425 | 384.386 | 0.9999 | 2019 |
| 096819 | PRIOKSKY                  | 400.800 | 400.760 | 0.9999 | 2019 |
| 096820 | PRIOKSKY                  | 392.525 | 392.485 | 0.9999 | 2019 |
| 096822 | PRIOKSKY                  | 401.400 | 401.359 | 0.9999 | 2019 |
| 096825 | PRIOKSKY                  | 385.575 | 385.536 | 0.9999 | 2019 |
| 096826 | PRIOKSKY                  | 395.800 | 395.760 | 0.9999 | 2019 |
| 096827 | PRIOKSKY                  | 387.475 | 387.436 | 0.9999 | 2019 |
| 096832 | PRIOKSKY                  | 389.850 | 389.811 | 0.9999 | 2019 |
| 096865 | PRIOKSKY                  | 418.825 | 418.783 | 0.9999 | 2019 |
| 096868 | PRIOKSKY                  | 408.950 | 408.909 | 0.9999 | 2019 |
| 096872 | PRIOKSKY                  | 412.825 | 412.783 | 0.9999 | 2019 |
| 0997   | MET MEX PENOLES TORREON   | 403.025 | 402.984 | 0.9999 | 2019 |
| 100    | CCR REFINERY-GLENCORE CAN | 401.200 | 401.159 | 0.9999 | 2019 |
| 101    | CCR REFINERY-GLENCORE CAN | 409.000 | 408.959 | 0.9999 | 2019 |
| 102    | CCR REFINERY-GLENCORE CAN | 402.025 | 401.984 | 0.9999 | 2019 |
| 103    | CCR REFINERY-GLENCORE CAN | 404.100 | 404.059 | 0.9999 | 2019 |
| 104    | CCR REFINERY-GLENCORE CAN | 403.325 | 403.284 | 0.9999 | 2019 |
| 105    | CCR REFINERY-GLENCORE CAN | 406.700 | 406.659 | 0.9999 | 2019 |
| 106    | CCR REFINERY-GLENCORE CAN | 404.275 | 404.234 | 0.9999 | 2019 |
| 106976 | PRIOKSKY                  | 382.900 | 382.861 | 0.9999 | 2019 |
| 106978 | PRIOKSKY                  | 408.600 | 408.559 | 0.9999 | 2019 |
| 106979 | PRIOKSKY                  | 408.100 | 408.059 | 0.9999 | 2019 |
| 106980 | PRIOKSKY                  | 408.250 | 408.209 | 0.9999 | 2019 |
| 106982 | PRIOKSKY                  | 381.875 | 381.836 | 0.9999 | 2019 |
| 106983 | PRIOKSKY                  | 383.350 | 383.311 | 0.9999 | 2019 |
| 106984 | PRIOKSKY                  | 375.675 | 375.637 | 0.9999 | 2019 |
| 106986 | PRIOKSKY                  | 371.800 | 371.762 | 0.9999 | 2019 |
| 106989 | PRIOKSKY                  | 365.550 | 365.513 | 0.9999 | 2019 |
| 106990 | PRIOKSKY                  | 386.750 | 386.711 | 0.9999 | 2019 |
| 106991 | PRIOKSKY                  | 372.450 | 372.412 | 0.9999 | 2019 |
| 106992 | PRIOKSKY                  | 383.175 | 383.136 | 0.9999 | 2019 |
| 107    | CCR REFINERY-GLENCORE CAN | 402.800 | 402.759 | 0.9999 | 2019 |
| 107058 | PRIOKSKY                  | 396.900 | 396.860 | 0.9999 | 2019 |
| 107062 | PRIOKSKY                  | 405.300 | 405.259 | 0.9999 | 2019 |
| 107068 | PRIOKSKY                  | 400.675 | 400.635 | 0.9999 | 2019 |
| 107069 | PRIOKSKY                  | 399.525 | 399.485 | 0.9999 | 2019 |



|        |                           |         |         |        |      |
|--------|---------------------------|---------|---------|--------|------|
| 107073 | PRIOKSKY                  | 394.075 | 394.035 | 0.9999 | 2019 |
| 107074 | PRIOKSKY                  | 381.250 | 381.211 | 0.9999 | 2019 |
| 107078 | PRIOKSKY                  | 394.900 | 394.860 | 0.9999 | 2019 |
| 107080 | PRIOKSKY                  | 399.275 | 399.235 | 0.9999 | 2019 |
| 107081 | PRIOKSKY                  | 393.025 | 392.985 | 0.9999 | 2019 |
| 107082 | PRIOKSKY                  | 372.575 | 372.537 | 0.9999 | 2019 |
| 107083 | PRIOKSKY                  | 400.300 | 400.260 | 0.9999 | 2019 |
| 107085 | PRIOKSKY                  | 393.425 | 393.385 | 0.9999 | 2019 |
| 107087 | PRIOKSKY                  | 395.100 | 395.060 | 0.9999 | 2019 |
| 107089 | PRIOKSKY                  | 398.275 | 398.235 | 0.9999 | 2019 |
| 107090 | PRIOKSKY                  | 398.125 | 398.085 | 0.9999 | 2019 |
| 107091 | PRIOKSKY                  | 396.150 | 396.110 | 0.9999 | 2019 |
| 107092 | PRIOKSKY                  | 394.375 | 394.335 | 0.9999 | 2019 |
| 107093 | PRIOKSKY                  | 401.100 | 401.059 | 0.9999 | 2019 |
| 108    | CCR REFINERY-GLENCORE CAN | 402.100 | 402.059 | 0.9999 | 2019 |
| 109    | CCR REFINERY-GLENCORE CAN | 401.575 | 401.534 | 0.9999 | 2019 |
| 110    | CCR REFINERY-GLENCORE CAN | 400.125 | 400.085 | 0.9999 | 2019 |
| 111    | CCR REFINERY-GLENCORE CAN | 406.825 | 406.784 | 0.9999 | 2019 |
| 112    | CCR REFINERY-GLENCORE CAN | 405.300 | 405.259 | 0.9999 | 2019 |
| 113    | CCR REFINERY-GLENCORE CAN | 406.350 | 406.309 | 0.9999 | 2019 |
| 114    | CCR REFINERY-GLENCORE CAN | 401.550 | 401.509 | 0.9999 | 2019 |
| 115    | CCR REFINERY-GLENCORE CAN | 402.925 | 402.884 | 0.9999 | 2019 |
| 1159   | MET MEX PENOLES TORREON   | 401.275 | 401.234 | 0.9999 | 2019 |
| 1160   | MET MEX PENOLES TORREON   | 402.575 | 402.534 | 0.9999 | 2019 |
| 1161   | MET MEX PENOLES TORREON   | 404.650 | 404.609 | 0.9999 | 2019 |
| 1162   | MET MEX PENOLES TORREON   | 404.425 | 404.384 | 0.9999 | 2019 |
| 1163   | MET MEX PENOLES TORREON   | 400.500 | 400.460 | 0.9999 | 2019 |
| 1164   | MET MEX PENOLES TORREON   | 403.300 | 403.259 | 0.9999 | 2019 |
| 1165   | MET MEX PENOLES TORREON   | 404.075 | 404.034 | 0.9999 | 2019 |
| 1166   | MET MEX PENOLES TORREON   | 403.850 | 403.809 | 0.9999 | 2019 |
| 1167   | MET MEX PENOLES TORREON   | 403.325 | 403.284 | 0.9999 | 2019 |
| 1168   | MET MEX PENOLES TORREON   | 401.475 | 401.434 | 0.9999 | 2019 |
| 1169   | MET MEX PENOLES TORREON   | 400.650 | 400.610 | 0.9999 | 2019 |
| 1170   | MET MEX PENOLES TORREON   | 402.150 | 402.109 | 0.9999 | 2019 |
| 1171   | MET MEX PENOLES TORREON   | 403.600 | 403.559 | 0.9999 | 2019 |
| 1172   | MET MEX PENOLES TORREON   | 403.150 | 403.109 | 0.9999 | 2019 |
| 1173   | MET MEX PENOLES TORREON   | 397.850 | 397.810 | 0.9999 | 2019 |
| 1174   | MET MEX PENOLES TORREON   | 400.075 | 400.035 | 0.9999 | 2019 |
| 1175   | MET MEX PENOLES TORREON   | 404.600 | 404.559 | 0.9999 | 2019 |
| 1176   | MET MEX PENOLES TORREON   | 403.300 | 403.259 | 0.9999 | 2019 |
| 1177   | MET MEX PENOLES TORREON   | 401.650 | 401.609 | 0.9999 | 2019 |
| 1178   | MET MEX PENOLES TORREON   | 406.200 | 406.159 | 0.9999 | 2019 |
| 1179   | MET MEX PENOLES TORREON   | 397.100 | 397.060 | 0.9999 | 2019 |
| 1180   | MET MEX PENOLES TORREON   | 401.275 | 401.234 | 0.9999 | 2019 |
| 1181   | MET MEX PENOLES TORREON   | 401.250 | 401.209 | 0.9999 | 2019 |
| 1182   | MET MEX PENOLES TORREON   | 403.475 | 403.434 | 0.9999 | 2019 |
| 1183   | MET MEX PENOLES TORREON   | 399.200 | 399.160 | 0.9999 | 2019 |
| 1184   | MET MEX PENOLES TORREON   | 403.475 | 403.434 | 0.9999 | 2019 |
| 1185   | MET MEX PENOLES TORREON   | 399.950 | 399.910 | 0.9999 | 2019 |
| 1186   | MET MEX PENOLES TORREON   | 404.375 | 404.334 | 0.9999 | 2019 |

|            |                         |         |         |        |        |
|------------|-------------------------|---------|---------|--------|--------|
| 1187       | MET MEX PENOLES TORREON | 394.475 | 394.435 | 0.9999 | 2019   |
| 1188       | MET MEX PENOLES TORREON | 404.100 | 404.059 | 0.9999 | 2019   |
| 1189       | MET MEX PENOLES TORREON | 405.425 | 405.384 | 0.9999 | 2019   |
| 1190       | MET MEX PENOLES TORREON | 402.975 | 402.934 | 0.9999 | 2019   |
| 1191       | MET MEX PENOLES TORREON | 405.775 | 405.734 | 0.9999 | 2019   |
| 1192       | MET MEX PENOLES TORREON | 404.675 | 404.634 | 0.9999 | 2019   |
| 1193       | MET MEX PENOLES TORREON | 403.250 | 403.209 | 0.9999 | 2019   |
| 1194       | MET MEX PENOLES TORREON | 402.050 | 402.009 | 0.9999 | 2019   |
| 1195       | MET MEX PENOLES TORREON | 402.450 | 402.409 | 0.9999 | 2019   |
| 1196       | MET MEX PENOLES TORREON | 402.550 | 402.509 | 0.9999 | 2019   |
| 1197       | MET MEX PENOLES TORREON | 402.800 | 402.759 | 0.9999 | 2019   |
| 1198       | MET MEX PENOLES TORREON | 401.125 | 401.084 | 0.9999 | 2019   |
| 1199       | MET MEX PENOLES TORREON | 401.300 | 401.259 | 0.9999 | 2019   |
| 1200       | MET MEX PENOLES TORREON | 400.925 | 400.885 | 0.9999 | 2019   |
| 1201       | MET MEX PENOLES TORREON | 402.475 | 402.434 | 0.9999 | 2019   |
| 1219-03232 | ROYAL CANADIAN MINT     | 387.425 | 387.386 | 0.9999 | 122019 |
| 1219-03233 | ROYAL CANADIAN MINT     | 385.525 | 385.486 | 0.9999 | 122019 |
| 1219-03234 | ROYAL CANADIAN MINT     | 378.550 | 378.512 | 0.9999 | 122019 |
| 1219-03235 | ROYAL CANADIAN MINT     | 371.175 | 371.137 | 0.9999 | 122019 |
| 1219-03236 | ROYAL CANADIAN MINT     | 370.375 | 370.338 | 0.9999 | 122019 |
| 1219-03237 | ROYAL CANADIAN MINT     | 393.025 | 392.985 | 0.9999 | 122019 |
| 1219-03238 | ROYAL CANADIAN MINT     | 372.250 | 372.212 | 0.9999 | 122019 |
| 1219-03239 | ROYAL CANADIAN MINT     | 380.400 | 380.362 | 0.9999 | 122019 |
| 1219-03240 | ROYAL CANADIAN MINT     | 388.675 | 388.636 | 0.9999 | 122019 |
| 1219-03241 | ROYAL CANADIAN MINT     | 378.175 | 378.137 | 0.9999 | 122019 |
| 1219-03242 | ROYAL CANADIAN MINT     | 387.775 | 387.736 | 0.9999 | 122019 |
| 1219-03243 | ROYAL CANADIAN MINT     | 368.975 | 368.938 | 0.9999 | 122019 |
| 1219-03244 | ROYAL CANADIAN MINT     | 379.725 | 379.687 | 0.9999 | 122019 |
| 1219-03245 | ROYAL CANADIAN MINT     | 389.000 | 388.961 | 0.9999 | 122019 |
| 1219-03246 | ROYAL CANADIAN MINT     | 393.175 | 393.135 | 0.9999 | 122019 |
| 1219-03247 | ROYAL CANADIAN MINT     | 389.125 | 389.086 | 0.9999 | 122019 |
| 1219-03248 | ROYAL CANADIAN MINT     | 374.225 | 374.187 | 0.9999 | 122019 |
| 1219-03249 | ROYAL CANADIAN MINT     | 392.225 | 392.185 | 0.9999 | 122019 |
| 1219-03250 | ROYAL CANADIAN MINT     | 370.950 | 370.913 | 0.9999 | 122019 |
| 1219-03251 | ROYAL CANADIAN MINT     | 388.950 | 388.911 | 0.9999 | 122019 |
| 1219-03252 | ROYAL CANADIAN MINT     | 370.125 | 370.088 | 0.9999 | 122019 |
| 1219-03253 | ROYAL CANADIAN MINT     | 389.250 | 389.211 | 0.9999 | 122019 |
| 1219-03254 | ROYAL CANADIAN MINT     | 389.700 | 389.661 | 0.9999 | 122019 |
| 1219-03255 | ROYAL CANADIAN MINT     | 386.075 | 386.036 | 0.9999 | 122019 |
| 1219-03256 | ROYAL CANADIAN MINT     | 376.900 | 376.862 | 0.9999 | 122019 |
| 1219-03257 | ROYAL CANADIAN MINT     | 389.925 | 389.886 | 0.9999 | 122019 |
| 1219-03258 | ROYAL CANADIAN MINT     | 389.150 | 389.111 | 0.9999 | 122019 |
| 1219-03259 | ROYAL CANADIAN MINT     | 387.375 | 387.336 | 0.9999 | 122019 |
| 1219-03260 | ROYAL CANADIAN MINT     | 385.575 | 385.536 | 0.9999 | 122019 |
| 1219-03261 | ROYAL CANADIAN MINT     | 379.625 | 379.587 | 0.9999 | 122019 |
| 1219-03262 | ROYAL CANADIAN MINT     | 377.800 | 377.762 | 0.9999 | 122019 |
| 1219-03263 | ROYAL CANADIAN MINT     | 395.975 | 395.935 | 0.9999 | 122019 |
| 1219-03264 | ROYAL CANADIAN MINT     | 393.900 | 393.860 | 0.9999 | 122019 |
| 1219-03265 | ROYAL CANADIAN MINT     | 396.325 | 396.285 | 0.9999 | 122019 |
| 1219-03266 | ROYAL CANADIAN MINT     | 389.575 | 389.536 | 0.9999 | 122019 |

|            |                           |         |         |        |        |
|------------|---------------------------|---------|---------|--------|--------|
| 1219-03267 | ROYAL CANADIAN MINT       | 365.975 | 365.938 | 0.9999 | 122019 |
| 1219-03268 | ROYAL CANADIAN MINT       | 394.075 | 394.035 | 0.9999 | 122019 |
| 1219-03269 | ROYAL CANADIAN MINT       | 387.475 | 387.436 | 0.9999 | 122019 |
| 1219-03270 | ROYAL CANADIAN MINT       | 384.425 | 384.386 | 0.9999 | 122019 |
| 1600956    | METALOR USA REFINING CORP | 400.075 | 399.755 | 0.9992 | 2016   |
| 1600957    | METALOR USA REFINING CORP | 400.075 | 399.755 | 0.9992 | 2016   |
| 1600958    | METALOR USA REFINING CORP | 400.075 | 399.755 | 0.9992 | 2016   |
| 1600960    | METALOR USA REFINING CORP | 400.075 | 399.755 | 0.9992 | 2016   |
| 1600961    | METALOR USA REFINING CORP | 400.075 | 399.755 | 0.9992 | 2016   |
| 1600962    | METALOR USA REFINING CORP | 400.075 | 399.755 | 0.9992 | 2016   |
| 1600963    | METALOR USA REFINING CORP | 400.075 | 399.755 | 0.9992 | 2016   |
| 1600964    | METALOR USA REFINING CORP | 400.075 | 399.755 | 0.9992 | 2016   |
| 1600965    | METALOR USA REFINING CORP | 400.075 | 399.755 | 0.9992 | 2016   |
| 1600966    | METALOR USA REFINING CORP | 400.075 | 399.755 | 0.9992 | 2016   |
| 1600967    | METALOR USA REFINING CORP | 400.075 | 399.755 | 0.9992 | 2016   |
| 1600968    | METALOR USA REFINING CORP | 400.075 | 399.755 | 0.9992 | 2016   |
| 1600969    | METALOR USA REFINING CORP | 400.100 | 399.740 | 0.9991 | 2016   |
| 1600970    | METALOR USA REFINING CORP | 400.100 | 399.740 | 0.9991 | 2016   |
| 1600971    | METALOR USA REFINING CORP | 400.100 | 399.740 | 0.9991 | 2016   |
| 1600972    | METALOR USA REFINING CORP | 400.100 | 399.740 | 0.9991 | 2016   |
| 1600973    | METALOR USA REFINING CORP | 400.100 | 399.740 | 0.9991 | 2016   |
| 1600974    | METALOR USA REFINING CORP | 400.100 | 399.740 | 0.9991 | 2016   |
| 1600975    | METALOR USA REFINING CORP | 400.100 | 399.740 | 0.9991 | 2016   |
| 1600976    | METALOR USA REFINING CORP | 400.100 | 399.740 | 0.9991 | 2016   |
| 1600977    | METALOR USA REFINING CORP | 400.100 | 399.740 | 0.9991 | 2016   |
| 1600978    | METALOR USA REFINING CORP | 400.100 | 399.740 | 0.9991 | 2016   |
| 1600979    | METALOR USA REFINING CORP | 400.100 | 399.740 | 0.9991 | 2016   |
| 1600980    | METALOR USA REFINING CORP | 400.100 | 399.740 | 0.9991 | 2016   |
| 1600981    | METALOR USA REFINING CORP | 400.100 | 399.740 | 0.9991 | 2016   |
| 1612       | MET MEX PENOLES TORREON   | 401.875 | 401.834 | 0.9999 | 2016   |
| 1613       | MET MEX PENOLES TORREON   | 405.275 | 405.234 | 0.9999 | 2016   |
| 1614       | MET MEX PENOLES TORREON   | 404.625 | 404.584 | 0.9999 | 2016   |
| 1615       | MET MEX PENOLES TORREON   | 402.150 | 402.109 | 0.9999 | 2016   |
| 1616       | MET MEX PENOLES TORREON   | 402.725 | 402.684 | 0.9999 | 2016   |
| 1617       | MET MEX PENOLES TORREON   | 402.325 | 402.284 | 0.9999 | 2016   |
| 1618       | MET MEX PENOLES TORREON   | 402.500 | 402.459 | 0.9999 | 2016   |
| 1619       | MET MEX PENOLES TORREON   | 402.225 | 402.184 | 0.9999 | 2016   |
| 1620       | MET MEX PENOLES TORREON   | 402.425 | 402.384 | 0.9999 | 2016   |
| 1621       | MET MEX PENOLES TORREON   | 399.850 | 399.810 | 0.9999 | 2016   |
| 16218      | AURUBIS AG                | 429.900 | 429.857 | 0.9999 | 2016   |
| 16219      | AURUBIS AG                | 412.950 | 412.908 | 0.9999 | 2016   |
| 1622       | MET MEX PENOLES TORREON   | 402.650 | 402.609 | 0.9999 | 2016   |
| 16220      | AURUBIS AG                | 410.875 | 410.834 | 0.9999 | 2016   |
| 16221      | AURUBIS AG                | 404.650 | 404.609 | 0.9999 | 2016   |
| 16222      | AURUBIS AG                | 413.300 | 413.258 | 0.9999 | 2016   |
| 16223      | AURUBIS AG                | 420.175 | 420.133 | 0.9999 | 2016   |
| 16224      | AURUBIS AG                | 357.500 | 357.464 | 0.9999 | 2016   |
| 16225      | AURUBIS AG                | 427.475 | 427.432 | 0.9999 | 2016   |
| 16226      | AURUBIS AG                | 419.200 | 419.158 | 0.9999 | 2016   |
| 16227      | AURUBIS AG                | 427.975 | 427.932 | 0.9999 | 2016   |

|       |                         |         |         |        |      |
|-------|-------------------------|---------|---------|--------|------|
| 16228 | AURUBIS AG              | 415.350 | 415.308 | 0.9999 | 2016 |
| 16229 | AURUBIS AG              | 408.325 | 408.284 | 0.9999 | 2016 |
| 16230 | AURUBIS AG              | 402.500 | 402.459 | 0.9999 | 2016 |
| 16231 | AURUBIS AG              | 414.100 | 414.058 | 0.9999 | 2016 |
| 16232 | AURUBIS AG              | 403.600 | 403.559 | 0.9999 | 2016 |
| 16233 | AURUBIS AG              | 414.525 | 414.483 | 0.9999 | 2016 |
| 16234 | AURUBIS AG              | 424.875 | 424.832 | 0.9999 | 2016 |
| 16235 | AURUBIS AG              | 377.625 | 377.587 | 0.9999 | 2016 |
| 16236 | AURUBIS AG              | 397.350 | 397.310 | 0.9999 | 2016 |
| 16237 | AURUBIS AG              | 418.325 | 418.283 | 0.9999 | 2016 |
| 16238 | AURUBIS AG              | 407.725 | 407.684 | 0.9999 | 2016 |
| 16239 | AURUBIS AG              | 390.600 | 390.561 | 0.9999 | 2016 |
| 1624  | MET MEX PENOLES TORREON | 405.625 | 405.584 | 0.9999 | 2016 |
| 16240 | AURUBIS AG              | 406.125 | 406.084 | 0.9999 | 2016 |
| 16241 | AURUBIS AG              | 396.000 | 395.960 | 0.9999 | 2016 |
| 16242 | AURUBIS AG              | 414.200 | 414.158 | 0.9999 | 2016 |
| 16243 | AURUBIS AG              | 424.975 | 424.932 | 0.9999 | 2016 |
| 16244 | AURUBIS AG              | 413.275 | 413.233 | 0.9999 | 2016 |
| 16245 | AURUBIS AG              | 412.550 | 412.508 | 0.9999 | 2016 |
| 16246 | AURUBIS AG              | 408.075 | 408.034 | 0.9999 | 2016 |
| 16247 | AURUBIS AG              | 396.675 | 396.635 | 0.9999 | 2016 |
| 16248 | AURUBIS AG              | 399.625 | 399.585 | 0.9999 | 2016 |
| 16249 | AURUBIS AG              | 401.225 | 401.184 | 0.9999 | 2016 |
| 1625  | MET MEX PENOLES TORREON | 404.700 | 404.659 | 0.9999 | 2016 |
| 16250 | AURUBIS AG              | 403.250 | 403.209 | 0.9999 | 2016 |
| 16251 | AURUBIS AG              | 420.450 | 420.408 | 0.9999 | 2016 |
| 16252 | AURUBIS AG              | 415.300 | 415.258 | 0.9999 | 2016 |
| 16253 | AURUBIS AG              | 414.025 | 413.983 | 0.9999 | 2016 |
| 16254 | AURUBIS AG              | 405.375 | 405.334 | 0.9999 | 2016 |
| 16255 | AURUBIS AG              | 398.225 | 398.185 | 0.9999 | 2016 |
| 16256 | AURUBIS AG              | 397.275 | 397.235 | 0.9999 | 2016 |
| 16257 | AURUBIS AG              | 410.275 | 410.234 | 0.9999 | 2016 |
| 16258 | AURUBIS AG              | 381.150 | 381.111 | 0.9999 | 2016 |
| 16259 | AURUBIS AG              | 407.625 | 407.584 | 0.9999 | 2016 |
| 1626  | MET MEX PENOLES TORREON | 403.200 | 403.159 | 0.9999 | 2016 |
| 16260 | AURUBIS AG              | 393.975 | 393.935 | 0.9999 | 2016 |
| 1627  | MET MEX PENOLES TORREON | 402.425 | 402.384 | 0.9999 | 2016 |
| 1628  | MET MEX PENOLES TORREON | 403.000 | 402.959 | 0.9999 | 2016 |
| 1629  | MET MEX PENOLES TORREON | 405.025 | 404.984 | 0.9999 | 2016 |
| 1630  | MET MEX PENOLES TORREON | 405.175 | 405.134 | 0.9999 | 2016 |
| 1631  | MET MEX PENOLES TORREON | 405.100 | 405.059 | 0.9999 | 2016 |
| 1632  | MET MEX PENOLES TORREON | 405.700 | 405.659 | 0.9999 | 2016 |
| 1636  | MET MEX PENOLES TORREON | 405.050 | 405.009 | 0.9999 | 2016 |
| 1637  | MET MEX PENOLES TORREON | 404.625 | 404.584 | 0.9999 | 2016 |
| 1638  | MET MEX PENOLES TORREON | 404.600 | 404.559 | 0.9999 | 2016 |
| 1640  | MET MEX PENOLES TORREON | 403.125 | 403.084 | 0.9999 | 2016 |
| 1641  | MET MEX PENOLES TORREON | 396.100 | 396.060 | 0.9999 | 2016 |
| 1642  | MET MEX PENOLES TORREON | 404.725 | 404.684 | 0.9999 | 2016 |
| 1643  | MET MEX PENOLES TORREON | 402.650 | 402.609 | 0.9999 | 2016 |
| 1644  | MET MEX PENOLES TORREON | 403.850 | 403.809 | 0.9999 | 2016 |

[illegible]



|             |                           |         |         |        |      |
|-------------|---------------------------|---------|---------|--------|------|
| 1700332     | METALOR USA REFINING CORP | 400.075 | 400.035 | 0.9999 | 2017 |
| 1700333     | METALOR USA REFINING CORP | 400.075 | 400.035 | 0.9999 | 2017 |
| 1700334     | METALOR USA REFINING CORP | 400.075 | 400.035 | 0.9999 | 2017 |
| 1700335     | METALOR USA REFINING CORP | 400.075 | 400.035 | 0.9999 | 2017 |
| 1700336     | METALOR USA REFINING CORP | 400.075 | 400.035 | 0.9999 | 2017 |
| 1701801     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701802     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701803     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701804     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701805     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701806     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701807     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701808     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701809     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701810     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701811     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701812     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701813     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701814     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701815     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701816     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701817     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701818     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701819     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701820     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701821     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701822     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701823     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701824     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701825     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701826     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701827     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701828     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701829     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 1701830     | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2017 |
| 17372       | ASAHI REF CANADA LTD      | 405.275 | 405.153 | 0.9997 | 2016 |
| 17591       | AURUBIS AG                | 410.075 | 410.034 | 0.9999 | 2017 |
| 17592       | AURUBIS AG                | 396.850 | 396.810 | 0.9999 | 2017 |
| 17593       | AURUBIS AG                | 413.200 | 413.158 | 0.9999 | 2017 |
| 17594       | AURUBIS AG                | 397.925 | 397.885 | 0.9999 | 2017 |
| 17595       | AURUBIS AG                | 400.900 | 400.860 | 0.9999 | 2017 |
| 17596       | AURUBIS AG                | 389.225 | 389.186 | 0.9999 | 2017 |
| 17597       | AURUBIS AG                | 411.925 | 411.883 | 0.9999 | 2017 |
| 19129       | ASAHI REF CANADA LTD      | 380.675 | 379.799 | 0.9977 | 2016 |
| 19130       | ASAHI REF CANADA LTD      | 399.125 | 398.207 | 0.9977 | 2016 |
| 2002        | KRASNOYARSK               | 411.975 | 411.933 | 0.9999 | 2020 |
| 2015-055-01 | KAZZINC JSC KAMENOGORSK   | 425.125 | 425.082 | 0.9999 | 2015 |
| 2016-076-06 | KAZZINC JSC KAMENOGORSK   | 370.550 | 370.513 | 0.9999 | 2016 |
| 220536      | JOHNSON MATTHEY BRAMPTON  | 413.250 | 411.721 | 0.9963 | 2013 |
| 220537      | JOHNSON MATTHEY BRAMPTON  | 396.825 | 395.356 | 0.9963 | 2013 |



|        |                          |         |         |        |      |
|--------|--------------------------|---------|---------|--------|------|
| 220538 | JOHNSON MATTHEY BRAMPTON | 407.600 | 406.091 | 0.9963 | 2013 |
| 22734  | SEMPSA JOYERIA PLATERIA  | 412.400 | 412.317 | 0.9998 | 2015 |
| 22735  | SEMPSA JOYERIA PLATERIA  | 399.250 | 399.130 | 0.9997 | 2015 |
| 22750  | SEMPSA JOYERIA PLATERIA  | 404.925 | 404.844 | 0.9998 | 2015 |
| 22751  | SEMPSA JOYERIA PLATERIA  | 401.000 | 400.879 | 0.9997 | 2015 |
| 22752  | SEMPSA JOYERIA PLATERIA  | 399.900 | 399.780 | 0.9997 | 2015 |
| 240484 | JOHNSON MATTHEY BRAMPTON | 406.050 | 404.791 | 0.9969 | 2014 |
| 246571 | JOHNSON MATTHEY BRAMPTON | 412.725 | 412.683 | 0.9999 | 2014 |
| 246572 | JOHNSON MATTHEY BRAMPTON | 420.025 | 419.983 | 0.9999 | 2014 |
| 246573 | JOHNSON MATTHEY BRAMPTON | 412.875 | 412.833 | 0.9999 | 2014 |
| 246574 | JOHNSON MATTHEY BRAMPTON | 382.575 | 382.536 | 0.9999 | 2014 |
| 24857  | SEMPSA JOYERIA PLATERIA  | 379.925 | 379.811 | 0.9997 | 2016 |
| 25022  | SEMPSA JOYERIA PLATERIA  | 393.050 | 392.971 | 0.9998 | 2016 |
| 25023  | SEMPSA JOYERIA PLATERIA  | 403.825 | 403.744 | 0.9998 | 2016 |
| 25030  | SEMPSA JOYERIA PLATERIA  | 401.450 | 401.249 | 0.9995 | 2016 |
| 25031  | SEMPSA JOYERIA PLATERIA  | 387.125 | 386.931 | 0.9995 | 2016 |
| 25048  | SEMPSA JOYERIA PLATERIA  | 404.525 | 404.363 | 0.9996 | 2016 |
| 25141  | SEMPSA JOYERIA PLATERIA  | 405.050 | 404.928 | 0.9997 | 2016 |
| 25142  | SEMPSA JOYERIA PLATERIA  | 399.150 | 398.990 | 0.9996 | 2016 |
| 25145  | SEMPSA JOYERIA PLATERIA  | 402.325 | 402.204 | 0.9997 | 2016 |
| 25146  | SEMPSA JOYERIA PLATERIA  | 383.100 | 383.023 | 0.9998 | 2016 |
| 25149  | SEMPSA JOYERIA PLATERIA  | 393.050 | 392.971 | 0.9998 | 2016 |
| 25150  | SEMPSA JOYERIA PLATERIA  | 407.375 | 407.293 | 0.9998 | 2016 |
| 25151  | SEMPSA JOYERIA PLATERIA  | 399.025 | 398.945 | 0.9998 | 2016 |
| 25153  | SEMPSA JOYERIA PLATERIA  | 388.100 | 387.983 | 0.9997 | 2016 |
| 25154  | SEMPSA JOYERIA PLATERIA  | 411.575 | 411.410 | 0.9996 | 2016 |
| 252881 | JOHNSON MATTHEY BRAMPTON | 422.950 | 422.907 | 0.9999 | 2015 |
| 252882 | JOHNSON MATTHEY BRAMPTON | 404.300 | 404.259 | 0.9999 | 2015 |
| 25539  | SEMPSA JOYERIA PLATERIA  | 407.800 | 407.718 | 0.9998 | 2016 |
| 25540  | SEMPSA JOYERIA PLATERIA  | 398.125 | 398.045 | 0.9998 | 2016 |
| 25541  | SEMPSA JOYERIA PLATERIA  | 394.875 | 394.796 | 0.9998 | 2016 |
| 25542  | SEMPSA JOYERIA PLATERIA  | 407.850 | 407.768 | 0.9998 | 2016 |
| 25547  | SEMPSA JOYERIA PLATERIA  | 406.275 | 406.193 | 0.9998 | 2016 |
| 25548  | SEMPSA JOYERIA PLATERIA  | 406.425 | 406.343 | 0.9998 | 2016 |
| 25549  | SEMPSA JOYERIA PLATERIA  | 397.375 | 397.216 | 0.9996 | 2016 |
| 25550  | SEMPSA JOYERIA PLATERIA  | 367.975 | 367.827 | 0.9996 | 2016 |
| 25551  | SEMPSA JOYERIA PLATERIA  | 406.900 | 406.818 | 0.9998 | 2016 |
| 25552  | SEMPSA JOYERIA PLATERIA  | 391.350 | 391.271 | 0.9998 | 2016 |
| 25557  | SEMPSA JOYERIA PLATERIA  | 396.925 | 396.885 | 0.9999 | 2016 |
| 25558  | SEMPSA JOYERIA PLATERIA  | 410.775 | 410.692 | 0.9998 | 2016 |
| 25559  | SEMPSA JOYERIA PLATERIA  | 390.200 | 390.122 | 0.9998 | 2016 |
| 25560  | SEMPSA JOYERIA PLATERIA  | 407.250 | 407.168 | 0.9998 | 2016 |
| 25561  | SEMPSA JOYERIA PLATERIA  | 382.350 | 382.273 | 0.9998 | 2016 |
| 25562  | SEMPSA JOYERIA PLATERIA  | 391.350 | 391.271 | 0.9998 | 2016 |
| 25563  | SEMPSA JOYERIA PLATERIA  | 402.100 | 402.059 | 0.9999 | 2016 |
| 26610  | SEMPSA JOYERIA PLATERIA  | 418.750 | 418.498 | 0.9994 | 2016 |
| 26612  | SEMPSA JOYERIA PLATERIA  | 412.300 | 412.052 | 0.9994 | 2016 |
| 26616  | SEMPSA JOYERIA PLATERIA  | 418.025 | 417.941 | 0.9998 | 2016 |
| 26617  | SEMPSA JOYERIA PLATERIA  | 418.425 | 418.383 | 0.9999 | 2016 |
| 26618  | SEMPSA JOYERIA PLATERIA  | 417.650 | 417.566 | 0.9998 | 2016 |

|       |                         |         |         |        |      |
|-------|-------------------------|---------|---------|--------|------|
| 26619 | SEMPSA JOYERIA PLATERIA | 414.875 | 414.792 | 0.9998 | 2016 |
| 26628 | SEMPSA JOYERIA PLATERIA | 410.750 | 410.667 | 0.9998 | 2016 |
| 26629 | SEMPSA JOYERIA PLATERIA | 412.800 | 412.676 | 0.9997 | 2016 |
| 26630 | SEMPSA JOYERIA PLATERIA | 423.600 | 423.515 | 0.9998 | 2016 |
| 26641 | SEMPSA JOYERIA PLATERIA | 421.100 | 420.889 | 0.9995 | 2016 |
| 26642 | SEMPSA JOYERIA PLATERIA | 419.425 | 419.257 | 0.9996 | 2016 |
| 26644 | SEMPSA JOYERIA PLATERIA | 415.350 | 415.225 | 0.9997 | 2016 |
| 26645 | SEMPSA JOYERIA PLATERIA | 402.775 | 402.654 | 0.9997 | 2016 |
| 27215 | SEMPSA JOYERIA PLATERIA | 397.650 | 397.491 | 0.9996 | 2017 |
| 27216 | SEMPSA JOYERIA PLATERIA | 386.875 | 386.720 | 0.9996 | 2017 |
| 27218 | SEMPSA JOYERIA PLATERIA | 391.200 | 391.082 | 0.9997 | 2017 |
| 27219 | SEMPSA JOYERIA PLATERIA | 400.025 | 399.905 | 0.9997 | 2017 |
| 27220 | SEMPSA JOYERIA PLATERIA | 406.375 | 406.253 | 0.9997 | 2017 |
| 27221 | SEMPSA JOYERIA PLATERIA | 381.475 | 381.360 | 0.9997 | 2017 |
| 27223 | SEMPSA JOYERIA PLATERIA | 400.875 | 400.794 | 0.9998 | 2017 |
| 27224 | SEMPSA JOYERIA PLATERIA | 382.975 | 382.898 | 0.9998 | 2017 |
| 27225 | SEMPSA JOYERIA PLATERIA | 406.325 | 406.243 | 0.9998 | 2017 |
| 27226 | SEMPSA JOYERIA PLATERIA | 401.725 | 401.644 | 0.9998 | 2017 |
| 27227 | SEMPSA JOYERIA PLATERIA | 410.500 | 410.335 | 0.9996 | 2017 |
| 27228 | SEMPSA JOYERIA PLATERIA | 393.450 | 393.332 | 0.9997 | 2017 |
| 27229 | SEMPSA JOYERIA PLATERIA | 411.925 | 411.801 | 0.9997 | 2017 |
| 27230 | SEMPSA JOYERIA PLATERIA | 396.725 | 396.606 | 0.9997 | 2017 |
| 27254 | ASAHI REF CANADA LTD    | 411.400 | 410.330 | 0.9974 | 2016 |
| 27255 | ASAHI REF CANADA LTD    | 410.300 | 409.233 | 0.9974 | 2016 |
| 27470 | SEMPSA JOYERIA PLATERIA | 393.850 | 393.771 | 0.9998 | 2017 |
| 27471 | SEMPSA JOYERIA PLATERIA | 398.425 | 398.345 | 0.9998 | 2017 |
| 27502 | SEMPSA JOYERIA PLATERIA | 405.725 | 405.643 | 0.9998 | 2017 |
| 27508 | SEMPSA JOYERIA PLATERIA | 394.300 | 394.221 | 0.9998 | 2017 |
| 27509 | SEMPSA JOYERIA PLATERIA | 393.875 | 393.756 | 0.9997 | 2017 |
| 27510 | SEMPSA JOYERIA PLATERIA | 392.775 | 392.617 | 0.9996 | 2017 |
| 27511 | SEMPSA JOYERIA PLATERIA | 398.050 | 397.930 | 0.9997 | 2017 |
| 27512 | SEMPSA JOYERIA PLATERIA | 405.950 | 405.787 | 0.9996 | 2017 |
| 27513 | SEMPSA JOYERIA PLATERIA | 416.300 | 416.175 | 0.9997 | 2017 |
| 27514 | SEMPSA JOYERIA PLATERIA | 382.825 | 382.710 | 0.9997 | 2017 |
| 27515 | SEMPSA JOYERIA PLATERIA | 414.050 | 413.925 | 0.9997 | 2017 |
| 30546 | SEMPSA JOYERIA PLATERIA | 404.700 | 404.457 | 0.9994 | 2018 |
| 30547 | SEMPSA JOYERIA PLATERIA | 416.100 | 415.892 | 0.9995 | 2018 |
| 30548 | SEMPSA JOYERIA PLATERIA | 418.700 | 418.532 | 0.9996 | 2018 |
| 30549 | SEMPSA JOYERIA PLATERIA | 405.150 | 404.988 | 0.9996 | 2018 |
| 30572 | SEMPSA JOYERIA PLATERIA | 394.100 | 393.942 | 0.9996 | 2018 |
| 30573 | SEMPSA JOYERIA PLATERIA | 397.375 | 397.216 | 0.9996 | 2018 |
| 30574 | SEMPSA JOYERIA PLATERIA | 399.875 | 399.755 | 0.9997 | 2018 |
| 30575 | SEMPSA JOYERIA PLATERIA | 404.300 | 404.178 | 0.9997 | 2018 |
| 30576 | SEMPSA JOYERIA PLATERIA | 394.050 | 393.853 | 0.9995 | 2018 |
| 30577 | SEMPSA JOYERIA PLATERIA | 398.775 | 398.615 | 0.9996 | 2018 |
| 30578 | SEMPSA JOYERIA PLATERIA | 397.800 | 397.640 | 0.9996 | 2018 |
| 30579 | SEMPSA JOYERIA PLATERIA | 398.750 | 398.550 | 0.9995 | 2018 |
| 30584 | SEMPSA JOYERIA PLATERIA | 404.375 | 404.011 | 0.9991 | 2018 |
| 30585 | SEMPSA JOYERIA PLATERIA | 397.450 | 397.132 | 0.9992 | 2018 |
| 30588 | SEMPSA JOYERIA PLATERIA | 393.550 | 393.313 | 0.9994 | 2018 |

|       |                         |         |         |        |      |
|-------|-------------------------|---------|---------|--------|------|
| 30589 | SEMPSA JOYERIA PLATERIA | 400.950 | 400.669 | 0.9993 | 2018 |
| 30604 | SEMPSA JOYERIA PLATERIA | 401.550 | 401.469 | 0.9998 | 2018 |
| 30605 | SEMPSA JOYERIA PLATERIA | 395.025 | 394.946 | 0.9998 | 2018 |
| 30610 | SEMPSA JOYERIA PLATERIA | 366.375 | 366.191 | 0.9995 | 2018 |
| 30611 | SEMPSA JOYERIA PLATERIA | 370.825 | 370.639 | 0.9995 | 2018 |
| 30612 | SEMPSA JOYERIA PLATERIA | 371.725 | 371.650 | 0.9998 | 2018 |
| 30613 | SEMPSA JOYERIA PLATERIA | 389.700 | 389.583 | 0.9997 | 2018 |
| 30614 | SEMPSA JOYERIA PLATERIA | 389.775 | 389.697 | 0.9998 | 2018 |
| 30615 | SEMPSA JOYERIA PLATERIA | 373.000 | 372.888 | 0.9997 | 2018 |
| 30616 | SEMPSA JOYERIA PLATERIA | 372.450 | 372.375 | 0.9998 | 2018 |
| 30617 | SEMPSA JOYERIA PLATERIA | 382.600 | 382.523 | 0.9998 | 2018 |
| 30628 | SEMPSA JOYERIA PLATERIA | 383.000 | 382.923 | 0.9998 | 2018 |
| 31110 | SEMPSA JOYERIA PLATERIA | 393.375 | 393.257 | 0.9997 | 2018 |
| 31111 | SEMPSA JOYERIA PLATERIA | 388.900 | 388.783 | 0.9997 | 2018 |
| 31112 | SEMPSA JOYERIA PLATERIA | 382.575 | 382.383 | 0.9995 | 2018 |
| 31113 | SEMPSA JOYERIA PLATERIA | 390.275 | 390.079 | 0.9995 | 2018 |
| 31114 | SEMPSA JOYERIA PLATERIA | 384.650 | 384.380 | 0.9993 | 2018 |
| 31641 | SEMPSA JOYERIA PLATERIA | 390.050 | 389.933 | 0.9997 | 2018 |
| 31642 | SEMPSA JOYERIA PLATERIA | 400.525 | 400.364 | 0.9996 | 2018 |
| 31643 | SEMPSA JOYERIA PLATERIA | 385.825 | 385.632 | 0.9995 | 2018 |
| 31644 | SEMPSA JOYERIA PLATERIA | 397.200 | 397.041 | 0.9996 | 2018 |
| 31646 | SEMPSA JOYERIA PLATERIA | 402.575 | 402.373 | 0.9995 | 2018 |
| 31647 | SEMPSA JOYERIA PLATERIA | 383.825 | 383.671 | 0.9996 | 2018 |
| 31652 | SEMPSA JOYERIA PLATERIA | 388.100 | 387.983 | 0.9997 | 2018 |
| 31653 | SEMPSA JOYERIA PLATERIA | 394.950 | 394.831 | 0.9997 | 2018 |
| 31657 | SEMPSA JOYERIA PLATERIA | 394.475 | 394.277 | 0.9995 | 2018 |
| 31658 | SEMPSA JOYERIA PLATERIA | 390.200 | 390.044 | 0.9996 | 2018 |
| 31659 | SEMPSA JOYERIA PLATERIA | 396.850 | 396.691 | 0.9996 | 2018 |
| 31660 | SEMPSA JOYERIA PLATERIA | 409.100 | 408.936 | 0.9996 | 2018 |
| 31661 | SEMPSA JOYERIA PLATERIA | 395.600 | 395.441 | 0.9996 | 2018 |
| 31662 | SEMPSA JOYERIA PLATERIA | 385.100 | 384.946 | 0.9996 | 2018 |
| 31672 | SEMPSA JOYERIA PLATERIA | 387.250 | 387.133 | 0.9997 | 2018 |
| 31673 | SEMPSA JOYERIA PLATERIA | 399.700 | 399.580 | 0.9997 | 2018 |
| 31674 | SEMPSA JOYERIA PLATERIA | 383.775 | 383.583 | 0.9995 | 2018 |
| 31675 | SEMPSA JOYERIA PLATERIA | 376.525 | 376.336 | 0.9995 | 2018 |
| 33169 | SEMPSA JOYERIA PLATERIA | 401.475 | 401.394 | 0.9998 | 2019 |
| 33170 | SEMPSA JOYERIA PLATERIA | 396.300 | 396.220 | 0.9998 | 2019 |
| 33171 | SEMPSA JOYERIA PLATERIA | 397.950 | 397.870 | 0.9998 | 2019 |
| 33172 | SEMPSA JOYERIA PLATERIA | 401.725 | 401.644 | 0.9998 | 2019 |
| 33177 | SEMPSA JOYERIA PLATERIA | 397.525 | 397.445 | 0.9998 | 2019 |
| 33178 | SEMPSA JOYERIA PLATERIA | 405.125 | 404.963 | 0.9996 | 2019 |
| 33179 | SEMPSA JOYERIA PLATERIA | 404.075 | 403.913 | 0.9996 | 2019 |
| 33181 | SEMPSA JOYERIA PLATERIA | 407.500 | 407.377 | 0.9997 | 2019 |
| 33182 | SEMPSA JOYERIA PLATERIA | 395.700 | 395.581 | 0.9997 | 2019 |
| 33186 | SEMPSA JOYERIA PLATERIA | 391.975 | 391.857 | 0.9997 | 2019 |
| 33187 | SEMPSA JOYERIA PLATERIA | 386.475 | 386.359 | 0.9997 | 2019 |
| 33188 | SEMPSA JOYERIA PLATERIA | 388.575 | 388.458 | 0.9997 | 2019 |
| 33189 | SEMPSA JOYERIA PLATERIA | 388.450 | 388.333 | 0.9997 | 2019 |
| 33190 | SEMPSA JOYERIA PLATERIA | 395.450 | 395.331 | 0.9997 | 2019 |
| 33191 | SEMPSA JOYERIA PLATERIA | 392.975 | 392.857 | 0.9997 | 2019 |

|       |                        |         |         |        |       |
|-------|------------------------|---------|---------|--------|-------|
| 33192 | SEMPA JOYERIA PLATERIA | 398.950 | 398.870 | 0.9998 | 2019  |
| 33193 | SEMPA JOYERIA PLATERIA | 388.925 | 388.847 | 0.9998 | 2019  |
| 33194 | SEMPA JOYERIA PLATERIA | 401.000 | 400.919 | 0.9998 | 2019  |
| 33195 | SEMPA JOYERIA PLATERIA | 398.600 | 398.520 | 0.9998 | 2019  |
| 33196 | SEMPA JOYERIA PLATERIA | 412.875 | 412.751 | 0.9997 | 2019  |
| 33197 | SEMPA JOYERIA PLATERIA | 420.500 | 420.373 | 0.9997 | 2019  |
| 33198 | SEMPA JOYERIA PLATERIA | 422.225 | 422.098 | 0.9997 | 2019  |
| 33199 | SEMPA JOYERIA PLATERIA | 412.375 | 412.251 | 0.9997 | 2019  |
| 33200 | SEMPA JOYERIA PLATERIA | 429.400 | 429.228 | 0.9996 | 2019  |
| 33201 | SEMPA JOYERIA PLATERIA | 416.400 | 416.233 | 0.9996 | 2019  |
| 33227 | KRASNOYARSK            | 409.650 | 409.609 | 0.9999 | 2019  |
| 33301 | KRASNOYARSK            | 423.825 | 423.782 | 0.9999 | 2019  |
| 33306 | KRASNOYARSK            | 409.800 | 409.759 | 0.9999 | 2019  |
| 33310 | KRASNOYARSK            | 410.850 | 410.809 | 0.9999 | 2019  |
| 33318 | KRASNOYARSK            | 409.850 | 409.809 | 0.9999 | 2019  |
| 33323 | KRASNOYARSK            | 414.725 | 414.683 | 0.9999 | 2019  |
| 33832 | SEMPA JOYERIA PLATERIA | 408.650 | 408.568 | 0.9998 | 42019 |
| 33833 | SEMPA JOYERIA PLATERIA | 408.225 | 408.143 | 0.9998 | 42019 |
| 33915 | SEMPA JOYERIA PLATERIA | 391.525 | 391.446 | 0.9998 | 42019 |
| 33916 | SEMPA JOYERIA PLATERIA | 410.725 | 410.642 | 0.9998 | 42019 |
| 33917 | SEMPA JOYERIA PLATERIA | 412.400 | 412.317 | 0.9998 | 42019 |
| 33918 | SEMPA JOYERIA PLATERIA | 412.450 | 412.367 | 0.9998 | 42019 |
| 34287 | SEMPA JOYERIA PLATERIA | 406.400 | 406.318 | 0.9998 | 62019 |
| 34288 | SEMPA JOYERIA PLATERIA | 411.450 | 411.367 | 0.9998 | 62019 |
| 34291 | SEMPA JOYERIA PLATERIA | 409.700 | 409.618 | 0.9998 | 62019 |
| 34292 | SEMPA JOYERIA PLATERIA | 397.825 | 397.745 | 0.9998 | 62019 |
| 34296 | SEMPA JOYERIA PLATERIA | 413.625 | 413.418 | 0.9995 | 62019 |
| 34297 | SEMPA JOYERIA PLATERIA | 405.550 | 405.347 | 0.9995 | 62019 |
| 34308 | SEMPA JOYERIA PLATERIA | 405.725 | 405.562 | 0.9996 | 62019 |
| 34309 | SEMPA JOYERIA PLATERIA | 410.075 | 409.911 | 0.9996 | 62019 |
| 34310 | SEMPA JOYERIA PLATERIA | 382.825 | 382.710 | 0.9997 | 62019 |
| 34311 | SEMPA JOYERIA PLATERIA | 396.125 | 396.006 | 0.9997 | 62019 |
| 34312 | SEMPA JOYERIA PLATERIA | 402.575 | 402.454 | 0.9997 | 62019 |
| 34313 | SEMPA JOYERIA PLATERIA | 412.025 | 411.901 | 0.9997 | 62019 |
| 34314 | SEMPA JOYERIA PLATERIA | 402.525 | 402.404 | 0.9997 | 62019 |
| 34315 | SEMPA JOYERIA PLATERIA | 396.525 | 396.406 | 0.9997 | 62019 |
| 34316 | SEMPA JOYERIA PLATERIA | 403.150 | 403.029 | 0.9997 | 62019 |
| 34317 | SEMPA JOYERIA PLATERIA | 396.275 | 396.156 | 0.9997 | 62019 |
| 34319 | SEMPA JOYERIA PLATERIA | 411.125 | 410.755 | 0.9991 | 62019 |
| 34320 | SEMPA JOYERIA PLATERIA | 406.175 | 405.809 | 0.9991 | 62019 |
| 34321 | SEMPA JOYERIA PLATERIA | 405.225 | 405.063 | 0.9996 | 62019 |
| 34322 | SEMPA JOYERIA PLATERIA | 398.550 | 398.390 | 0.9996 | 62019 |
| 34323 | SEMPA JOYERIA PLATERIA | 408.475 | 408.352 | 0.9997 | 62019 |
| 34324 | SEMPA JOYERIA PLATERIA | 407.675 | 407.552 | 0.9997 | 62019 |
| 34332 | SEMPA JOYERIA PLATERIA | 391.400 | 391.282 | 0.9997 | 62019 |
| 34333 | SEMPA JOYERIA PLATERIA | 405.725 | 405.603 | 0.9997 | 62019 |
| 34334 | SEMPA JOYERIA PLATERIA | 411.800 | 411.676 | 0.9997 | 62019 |
| 34335 | SEMPA JOYERIA PLATERIA | 412.250 | 412.126 | 0.9997 | 62019 |
| 34336 | SEMPA JOYERIA PLATERIA | 398.700 | 398.580 | 0.9997 | 62019 |
| 34337 | SEMPA JOYERIA PLATERIA | 400.675 | 400.554 | 0.9997 | 62019 |

|       |                         |         |         |        |       |
|-------|-------------------------|---------|---------|--------|-------|
| 34338 | SEMPSA JOYERIA PLATERIA | 404.350 | 404.228 | 0.9997 | 62019 |
| 34339 | SEMPSA JOYERIA PLATERIA | 392.525 | 392.407 | 0.9997 | 62019 |
| 34340 | SEMPSA JOYERIA PLATERIA | 405.375 | 405.253 | 0.9997 | 62019 |
| 34341 | SEMPSA JOYERIA PLATERIA | 412.950 | 412.826 | 0.9997 | 62019 |
| 34342 | SEMPSA JOYERIA PLATERIA | 365.425 | 365.315 | 0.9997 | 62019 |
| 34354 | SEMPSA JOYERIA PLATERIA | 406.950 | 406.828 | 0.9997 | 62019 |
| 34356 | SEMPSA JOYERIA PLATERIA | 403.725 | 403.603 | 0.9997 | 62019 |
| 34357 | SEMPSA JOYERIA PLATERIA | 400.575 | 400.454 | 0.9997 | 62019 |
| 34358 | SEMPSA JOYERIA PLATERIA | 405.825 | 405.703 | 0.9997 | 62019 |
| 34359 | SEMPSA JOYERIA PLATERIA | 409.950 | 409.827 | 0.9997 | 62019 |
| 34360 | SEMPSA JOYERIA PLATERIA | 395.725 | 395.606 | 0.9997 | 62019 |
| 34369 | SEMPSA JOYERIA PLATERIA | 415.475 | 415.308 | 0.9996 | 62019 |
| 34370 | SEMPSA JOYERIA PLATERIA | 407.700 | 407.537 | 0.9996 | 62019 |
| 34371 | SEMPSA JOYERIA PLATERIA | 414.200 | 414.034 | 0.9996 | 62019 |
| 34372 | SEMPSA JOYERIA PLATERIA | 401.500 | 401.339 | 0.9996 | 62019 |
| 34373 | SEMPSA JOYERIA PLATERIA | 415.150 | 414.984 | 0.9996 | 62019 |
| 34374 | SEMPSA JOYERIA PLATERIA | 411.075 | 410.910 | 0.9996 | 62019 |
| 34384 | SEMPSA JOYERIA PLATERIA | 414.150 | 413.943 | 0.9995 | 62019 |
| 34385 | SEMPSA JOYERIA PLATERIA | 391.500 | 391.304 | 0.9995 | 62019 |
| 34386 | SEMPSA JOYERIA PLATERIA | 404.250 | 404.128 | 0.9997 | 62019 |
| 34387 | SEMPSA JOYERIA PLATERIA | 400.175 | 400.055 | 0.9997 | 62019 |
| 34478 | SEMPSA JOYERIA PLATERIA | 392.825 | 392.707 | 0.9997 | 62019 |
| 34479 | SEMPSA JOYERIA PLATERIA | 396.700 | 396.581 | 0.9997 | 62019 |
| 34480 | SEMPSA JOYERIA PLATERIA | 423.475 | 423.390 | 0.9998 | 62019 |
| 34481 | SEMPSA JOYERIA PLATERIA | 426.750 | 426.664 | 0.9998 | 62019 |
| 34482 | SEMPSA JOYERIA PLATERIA | 416.700 | 416.408 | 0.9993 | 62019 |
| 34483 | SEMPSA JOYERIA PLATERIA | 427.075 | 426.776 | 0.9993 | 62019 |
| 34494 | SEMPSA JOYERIA PLATERIA | 381.650 | 381.421 | 0.9994 | 62019 |
| 34495 | SEMPSA JOYERIA PLATERIA | 411.900 | 411.652 | 0.9994 | 62019 |
| 34506 | SEMPSA JOYERIA PLATERIA | 401.775 | 401.654 | 0.9997 | 72019 |
| 34507 | SEMPSA JOYERIA PLATERIA | 397.575 | 397.455 | 0.9997 | 72019 |
| 34512 | SEMPSA JOYERIA PLATERIA | 415.500 | 415.375 | 0.9997 | 72019 |
| 34513 | SEMPSA JOYERIA PLATERIA | 416.825 | 416.700 | 0.9997 | 72019 |
| 34514 | SEMPSA JOYERIA PLATERIA | 408.325 | 408.202 | 0.9997 | 72019 |
| 34515 | SEMPSA JOYERIA PLATERIA | 422.975 | 422.848 | 0.9997 | 72019 |
| 34773 | SEMPSA JOYERIA PLATERIA | 405.650 | 405.568 | 0.9998 | 82019 |
| 34774 | SEMPSA JOYERIA PLATERIA | 410.675 | 410.592 | 0.9998 | 82019 |
| 34780 | SEMPSA JOYERIA PLATERIA | 412.425 | 412.301 | 0.9997 | 82019 |
| 34781 | SEMPSA JOYERIA PLATERIA | 407.925 | 407.802 | 0.9997 | 82019 |
| 34913 | SEMPSA JOYERIA PLATERIA | 410.600 | 410.517 | 0.9998 | 82019 |
| 34914 | SEMPSA JOYERIA PLATERIA | 414.925 | 414.800 | 0.9997 | 82019 |
| 34915 | SEMPSA JOYERIA PLATERIA | 412.300 | 412.176 | 0.9997 | 82019 |
| 34916 | SEMPSA JOYERIA PLATERIA | 415.375 | 415.250 | 0.9997 | 82019 |
| 34917 | SEMPSA JOYERIA PLATERIA | 418.050 | 417.966 | 0.9998 | 82019 |
| 35177 | SEMPSA JOYERIA PLATERIA | 425.175 | 425.090 | 0.9998 | 92019 |
| 35178 | SEMPSA JOYERIA PLATERIA | 420.700 | 420.615 | 0.9998 | 92019 |
| 35179 | SEMPSA JOYERIA PLATERIA | 426.600 | 426.514 | 0.9998 | 92019 |
| 35180 | SEMPSA JOYERIA PLATERIA | 417.875 | 417.791 | 0.9998 | 92019 |
| 35181 | SEMPSA JOYERIA PLATERIA | 416.225 | 416.141 | 0.9998 | 92019 |
| 35182 | SEMPSA JOYERIA PLATERIA | 377.700 | 377.624 | 0.9998 | 92019 |



|       |                         |         |         |        |        |
|-------|-------------------------|---------|---------|--------|--------|
| 35193 | SEMPSA JOYERIA PLATERIA | 424.700 | 424.615 | 0.9998 | 92019  |
| 35194 | SEMPSA JOYERIA PLATERIA | 415.825 | 415.741 | 0.9998 | 92019  |
| 35195 | SEMPSA JOYERIA PLATERIA | 413.675 | 413.592 | 0.9998 | 92019  |
| 35196 | SEMPSA JOYERIA PLATERIA | 423.000 | 422.915 | 0.9998 | 92019  |
| 35213 | SEMPSA JOYERIA PLATERIA | 414.100 | 414.017 | 0.9998 | 92019  |
| 35214 | SEMPSA JOYERIA PLATERIA | 405.900 | 405.818 | 0.9998 | 92019  |
| 35220 | SEMPSA JOYERIA PLATERIA | 409.650 | 409.568 | 0.9998 | 92019  |
| 35221 | SEMPSA JOYERIA PLATERIA | 397.050 | 396.970 | 0.9998 | 92019  |
| 35222 | SEMPSA JOYERIA PLATERIA | 396.900 | 396.820 | 0.9998 | 92019  |
| 35223 | SEMPSA JOYERIA PLATERIA | 428.000 | 427.914 | 0.9998 | 92019  |
| 35225 | SEMPSA JOYERIA PLATERIA | 422.850 | 422.765 | 0.9998 | 92019  |
| 35226 | SEMPSA JOYERIA PLATERIA | 424.125 | 424.040 | 0.9998 | 92019  |
| 35473 | SEMPSA JOYERIA PLATERIA | 403.950 | 403.828 | 0.9997 | 102019 |
| 35474 | SEMPSA JOYERIA PLATERIA | 407.550 | 407.427 | 0.9997 | 102019 |
| 35475 | SEMPSA JOYERIA PLATERIA | 409.050 | 408.927 | 0.9997 | 102019 |
| 35476 | SEMPSA JOYERIA PLATERIA | 405.525 | 405.403 | 0.9997 | 102019 |
| 35487 | SEMPSA JOYERIA PLATERIA | 404.750 | 404.669 | 0.9998 | 102019 |
| 35488 | SEMPSA JOYERIA PLATERIA | 405.900 | 405.818 | 0.9998 | 102019 |
| 35509 | SEMPSA JOYERIA PLATERIA | 409.075 | 408.788 | 0.9993 | 102019 |
| 35510 | SEMPSA JOYERIA PLATERIA | 421.675 | 421.379 | 0.9993 | 102019 |
| 35514 | SEMPSA JOYERIA PLATERIA | 426.400 | 426.272 | 0.9997 | 102019 |
| 35515 | SEMPSA JOYERIA PLATERIA | 426.150 | 426.022 | 0.9997 | 102019 |
| 35516 | SEMPSA JOYERIA PLATERIA | 407.825 | 407.702 | 0.9997 | 102019 |
| 35517 | SEMPSA JOYERIA PLATERIA | 416.450 | 416.325 | 0.9997 | 102019 |
| 35614 | KRASNOYARSK             | 385.825 | 385.786 | 0.9999 | 2019   |
| 35710 | KRASNOYARSK             | 391.375 | 391.335 | 0.9999 | 2019   |
| 35725 | KRASNOYARSK             | 393.900 | 393.860 | 0.9999 | 2019   |
| 36224 | KRASNOYARSK             | 408.750 | 408.709 | 0.9999 | 2019   |
| 36303 | KRASNOYARSK             | 407.550 | 407.509 | 0.9999 | 2019   |
| 36305 | KRASNOYARSK             | 409.100 | 409.059 | 0.9999 | 2019   |
| 36307 | KRASNOYARSK             | 408.975 | 408.934 | 0.9999 | 2019   |
| 36403 | KRASNOYARSK             | 362.550 | 362.513 | 0.9999 | 2019   |
| 36411 | KRASNOYARSK             | 378.025 | 377.987 | 0.9999 | 2019   |
| 36413 | KRASNOYARSK             | 408.100 | 408.059 | 0.9999 | 2019   |
| 36418 | KRASNOYARSK             | 377.850 | 377.812 | 0.9999 | 2019   |
| 36422 | KRASNOYARSK             | 355.775 | 355.739 | 0.9999 | 2019   |
| 36423 | KRASNOYARSK             | 366.325 | 366.288 | 0.9999 | 2019   |
| 36427 | KRASNOYARSK             | 379.125 | 379.087 | 0.9999 | 2019   |
| 36431 | KRASNOYARSK             | 368.100 | 368.063 | 0.9999 | 2019   |
| 36432 | KRASNOYARSK             | 378.775 | 378.737 | 0.9999 | 2019   |
| 36515 | KRASNOYARSK             | 407.550 | 407.509 | 0.9999 | 2019   |
| 36517 | KRASNOYARSK             | 388.450 | 388.411 | 0.9999 | 2019   |
| 36612 | KRASNOYARSK             | 410.450 | 410.409 | 0.9999 | 2019   |
| 36623 | KRASNOYARSK             | 409.475 | 409.434 | 0.9999 | 2019   |
| 36804 | SEMPSA JOYERIA PLATERIA | 426.000 | 425.701 | 0.9993 | 32020  |
| 36809 | SEMPSA JOYERIA PLATERIA | 405.775 | 405.491 | 0.9993 | 32020  |
| 36810 | SEMPSA JOYERIA PLATERIA | 408.200 | 407.914 | 0.9993 | 32020  |
| 36812 | SEMPSA JOYERIA PLATERIA | 401.875 | 401.553 | 0.9992 | 32020  |
| 36821 | SEMPSA JOYERIA PLATERIA | 424.850 | 424.722 | 0.9997 | 32020  |
| 36822 | SEMPSA JOYERIA PLATERIA | 418.325 | 418.199 | 0.9997 | 32020  |

[illegible]

[illegible]

|         |                           |         |         |        |      |
|---------|---------------------------|---------|---------|--------|------|
| 5000360 | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2019 |
| 5000361 | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2019 |
| 5000362 | METALOR USA REFINING CORP | 400.100 | 400.060 | 0.9999 | 2019 |
| 5000363 | METALOR USA REFINING CORP | 400.100 | 400.020 | 0.9998 | 2019 |
| 5000364 | METALOR USA REFINING CORP | 400.100 | 400.020 | 0.9998 | 2019 |
| 5000365 | METALOR USA REFINING CORP | 400.100 | 400.020 | 0.9998 | 2019 |
| 5000366 | METALOR USA REFINING CORP | 400.100 | 400.020 | 0.9998 | 2019 |
| 5000367 | METALOR USA REFINING CORP | 400.100 | 400.020 | 0.9998 | 2019 |
| 5000368 | METALOR USA REFINING CORP | 400.100 | 400.020 | 0.9998 | 2019 |
| 5000369 | METALOR USA REFINING CORP | 400.100 | 400.020 | 0.9998 | 2019 |
| 5000370 | METALOR USA REFINING CORP | 400.100 | 400.020 | 0.9998 | 2019 |
| 503758  | METALOR TECHNOLOGIES SA   | 365.525 | 365.488 | 0.9999 | 2016 |
| 503759  | METALOR TECHNOLOGIES SA   | 381.525 | 381.486 | 0.9999 | 2016 |
| 503760  | METALOR TECHNOLOGIES SA   | 377.850 | 377.812 | 0.9999 | 2016 |
| 503761  | METALOR TECHNOLOGIES SA   | 358.000 | 357.964 | 0.9999 | 2016 |
| 503762  | METALOR TECHNOLOGIES SA   | 367.350 | 367.313 | 0.9999 | 2016 |
| 503763  | METALOR TECHNOLOGIES SA   | 413.675 | 413.633 | 0.9999 | 2016 |
| 503764  | METALOR TECHNOLOGIES SA   | 387.475 | 387.436 | 0.9999 | 2016 |
| 503765  | METALOR TECHNOLOGIES SA   | 418.025 | 417.983 | 0.9999 | 2016 |
| 503766  | METALOR TECHNOLOGIES SA   | 418.450 | 418.408 | 0.9999 | 2016 |
| 503767  | METALOR TECHNOLOGIES SA   | 401.450 | 401.409 | 0.9999 | 2016 |
| 503768  | METALOR TECHNOLOGIES SA   | 420.150 | 420.108 | 0.9999 | 2016 |
| 503769  | METALOR TECHNOLOGIES SA   | 409.700 | 409.659 | 0.9999 | 2016 |
| 503770  | METALOR TECHNOLOGIES SA   | 391.825 | 391.785 | 0.9999 | 2016 |
| 503771  | METALOR TECHNOLOGIES SA   | 386.025 | 385.986 | 0.9999 | 2016 |
| 503772  | METALOR TECHNOLOGIES SA   | 386.600 | 386.561 | 0.9999 | 2016 |
| 503773  | METALOR TECHNOLOGIES SA   | 425.500 | 425.457 | 0.9999 | 2016 |
| 503774  | METALOR TECHNOLOGIES SA   | 379.825 | 379.787 | 0.9999 | 2016 |
| 503775  | METALOR TECHNOLOGIES SA   | 387.825 | 387.786 | 0.9999 | 2016 |
| 503776  | METALOR TECHNOLOGIES SA   | 383.475 | 383.436 | 0.9999 | 2016 |
| 503777  | METALOR TECHNOLOGIES SA   | 404.050 | 404.009 | 0.9999 | 2016 |
| 503778  | METALOR TECHNOLOGIES SA   | 396.700 | 396.660 | 0.9999 | 2016 |
| 503779  | METALOR TECHNOLOGIES SA   | 383.300 | 383.261 | 0.9999 | 2016 |
| 503780  | METALOR TECHNOLOGIES SA   | 406.500 | 406.459 | 0.9999 | 2016 |
| 503781  | METALOR TECHNOLOGIES SA   | 401.250 | 401.209 | 0.9999 | 2016 |
| 504028  | METALOR TECHNOLOGIES SA   | 377.650 | 377.612 | 0.9999 | 2016 |
| 504029  | METALOR TECHNOLOGIES SA   | 392.675 | 392.635 | 0.9999 | 2016 |
| 504030  | METALOR TECHNOLOGIES SA   | 400.850 | 400.810 | 0.9999 | 2016 |
| 504031  | METALOR TECHNOLOGIES SA   | 366.475 | 366.438 | 0.9999 | 2016 |
| 504032  | METALOR TECHNOLOGIES SA   | 400.100 | 400.060 | 0.9999 | 2016 |
| 504033  | METALOR TECHNOLOGIES SA   | 421.475 | 421.432 | 0.9999 | 2016 |
| 504034  | METALOR TECHNOLOGIES SA   | 412.025 | 411.983 | 0.9999 | 2016 |
| 504035  | METALOR TECHNOLOGIES SA   | 406.950 | 406.909 | 0.9999 | 2016 |
| 504036  | METALOR TECHNOLOGIES SA   | 367.900 | 367.863 | 0.9999 | 2016 |
| 504037  | METALOR TECHNOLOGIES SA   | 394.375 | 394.335 | 0.9999 | 2016 |
| 504038  | METALOR TECHNOLOGIES SA   | 399.750 | 399.710 | 0.9999 | 2016 |
| 504039  | METALOR TECHNOLOGIES SA   | 376.750 | 376.712 | 0.9999 | 2016 |
| 504040  | METALOR TECHNOLOGIES SA   | 408.375 | 408.334 | 0.9999 | 2016 |
| 504041  | METALOR TECHNOLOGIES SA   | 386.750 | 386.711 | 0.9999 | 2016 |
| 504042  | METALOR TECHNOLOGIES SA   | 392.025 | 391.985 | 0.9999 | 2016 |

|        |                         |         |         |        |      |
|--------|-------------------------|---------|---------|--------|------|
| 504043 | METALOR TECHNOLOGIES SA | 376.000 | 375.962 | 0.9999 | 2016 |
| 504044 | METALOR TECHNOLOGIES SA | 365.175 | 365.138 | 0.9999 | 2016 |
| 504968 | METALOR TECHNOLOGIES SA | 411.925 | 411.842 | 0.9998 | 2016 |
| 504969 | METALOR TECHNOLOGIES SA | 415.850 | 415.766 | 0.9998 | 2016 |
| 504970 | METALOR TECHNOLOGIES SA | 414.950 | 414.867 | 0.9998 | 2016 |
| 504971 | METALOR TECHNOLOGIES SA | 412.550 | 412.467 | 0.9998 | 2016 |
| 504972 | METALOR TECHNOLOGIES SA | 389.925 | 389.847 | 0.9998 | 2016 |
| 504973 | METALOR TECHNOLOGIES SA | 402.975 | 402.894 | 0.9998 | 2016 |
| 504974 | METALOR TECHNOLOGIES SA | 380.425 | 380.349 | 0.9998 | 2016 |
| 504977 | METALOR TECHNOLOGIES SA | 394.875 | 394.756 | 0.9997 | 2016 |
| 509680 | METALOR TECHNOLOGIES SA | 409.650 | 409.609 | 0.9999 | 2016 |
| 509681 | METALOR TECHNOLOGIES SA | 374.800 | 374.762 | 0.9999 | 2016 |
| 509682 | METALOR TECHNOLOGIES SA | 379.550 | 379.512 | 0.9999 | 2016 |
| 510080 | METALOR TECHNOLOGIES SA | 384.475 | 384.436 | 0.9999 | 2016 |
| 510081 | METALOR TECHNOLOGIES SA | 401.275 | 401.234 | 0.9999 | 2016 |
| 510082 | METALOR TECHNOLOGIES SA | 389.000 | 388.961 | 0.9999 | 2016 |
| 510083 | METALOR TECHNOLOGIES SA | 374.800 | 374.762 | 0.9999 | 2016 |
| 510084 | METALOR TECHNOLOGIES SA | 397.500 | 397.460 | 0.9999 | 2016 |
| 510085 | METALOR TECHNOLOGIES SA | 401.500 | 401.459 | 0.9999 | 2016 |
| 510086 | METALOR TECHNOLOGIES SA | 406.000 | 405.959 | 0.9999 | 2016 |
| 510087 | METALOR TECHNOLOGIES SA | 417.575 | 417.533 | 0.9999 | 2016 |
| 510088 | METALOR TECHNOLOGIES SA | 424.850 | 424.807 | 0.9999 | 2016 |
| 510089 | METALOR TECHNOLOGIES SA | 421.025 | 420.982 | 0.9999 | 2016 |
| 511286 | METALOR TECHNOLOGIES SA | 390.100 | 390.061 | 0.9999 | 2016 |
| 511287 | METALOR TECHNOLOGIES SA | 382.450 | 382.411 | 0.9999 | 2016 |
| 511288 | METALOR TECHNOLOGIES SA | 393.400 | 393.360 | 0.9999 | 2016 |
| 511289 | METALOR TECHNOLOGIES SA | 408.825 | 408.784 | 0.9999 | 2016 |
| 511290 | METALOR TECHNOLOGIES SA | 419.925 | 419.883 | 0.9999 | 2016 |
| 511291 | METALOR TECHNOLOGIES SA | 405.575 | 405.534 | 0.9999 | 2016 |
| 511292 | METALOR TECHNOLOGIES SA | 420.500 | 420.458 | 0.9999 | 2016 |
| 511293 | METALOR TECHNOLOGIES SA | 398.225 | 398.185 | 0.9999 | 2016 |
| 511294 | METALOR TECHNOLOGIES SA | 424.125 | 424.082 | 0.9999 | 2016 |
| 511295 | METALOR TECHNOLOGIES SA | 403.775 | 403.734 | 0.9999 | 2016 |
| 511296 | METALOR TECHNOLOGIES SA | 379.275 | 379.237 | 0.9999 | 2016 |
| 511297 | METALOR TECHNOLOGIES SA | 426.150 | 426.107 | 0.9999 | 2016 |
| 511298 | METALOR TECHNOLOGIES SA | 415.000 | 414.958 | 0.9999 | 2016 |
| 511299 | METALOR TECHNOLOGIES SA | 387.950 | 387.911 | 0.9999 | 2016 |
| 511300 | METALOR TECHNOLOGIES SA | 395.325 | 395.285 | 0.9999 | 2016 |
| 511301 | METALOR TECHNOLOGIES SA | 401.450 | 401.409 | 0.9999 | 2016 |
| 511302 | METALOR TECHNOLOGIES SA | 385.175 | 385.136 | 0.9999 | 2016 |
| 511303 | METALOR TECHNOLOGIES SA | 374.425 | 374.387 | 0.9999 | 2016 |
| 511304 | METALOR TECHNOLOGIES SA | 386.125 | 386.086 | 0.9999 | 2016 |
| 511305 | METALOR TECHNOLOGIES SA | 379.250 | 379.212 | 0.9999 | 2016 |
| 511306 | METALOR TECHNOLOGIES SA | 355.325 | 355.289 | 0.9999 | 2016 |
| 511307 | METALOR TECHNOLOGIES SA | 400.025 | 399.985 | 0.9999 | 2016 |
| 511308 | METALOR TECHNOLOGIES SA | 377.650 | 377.612 | 0.9999 | 2016 |
| 511309 | METALOR TECHNOLOGIES SA | 398.400 | 398.360 | 0.9999 | 2016 |
| 511310 | METALOR TECHNOLOGIES SA | 374.300 | 374.262 | 0.9999 | 2016 |
| 55030  | KRASNOYARSK             | 398.600 | 398.560 | 0.9999 | 2019 |
| 55114  | KRASNOYARSK             | 397.500 | 397.460 | 0.9999 | 2019 |



|       |                        |         |         |        |      |
|-------|------------------------|---------|---------|--------|------|
| 55118 | KRASNOYARSK            | 398.025 | 397.985 | 0.9999 | 2019 |
| 55125 | KRASNOYARSK            | 397.850 | 397.810 | 0.9999 | 2019 |
| 55214 | KRASNOYARSK            | 397.650 | 397.610 | 0.9999 | 2019 |
| 55628 | KRASNOYARSK            | 394.650 | 394.610 | 0.9999 | 2019 |
| 59874 | BOLIDEN MINERAL SWEDEN | 411.975 | 411.933 | 0.9999 | 2017 |
| 59875 | BOLIDEN MINERAL SWEDEN | 405.775 | 405.734 | 0.9999 | 2017 |
| 59876 | BOLIDEN MINERAL SWEDEN | 404.900 | 404.859 | 0.9999 | 2017 |
| 59877 | BOLIDEN MINERAL SWEDEN | 406.300 | 406.259 | 0.9999 | 2017 |
| 59878 | BOLIDEN MINERAL SWEDEN | 409.400 | 409.359 | 0.9999 | 2017 |
| 59880 | BOLIDEN MINERAL SWEDEN | 397.125 | 397.085 | 0.9999 | 2017 |
| 59881 | BOLIDEN MINERAL SWEDEN | 408.950 | 408.909 | 0.9999 | 2017 |
| 59882 | BOLIDEN MINERAL SWEDEN | 404.150 | 404.109 | 0.9999 | 2017 |
| 59883 | BOLIDEN MINERAL SWEDEN | 400.325 | 400.285 | 0.9999 | 2017 |
| 59884 | BOLIDEN MINERAL SWEDEN | 387.975 | 387.936 | 0.9999 | 2017 |
| 60902 | BOLIDEN MINERAL SWEDEN | 406.100 | 406.059 | 0.9999 | 2018 |
| 60903 | BOLIDEN MINERAL SWEDEN | 407.750 | 407.709 | 0.9999 | 2018 |
| 60904 | BOLIDEN MINERAL SWEDEN | 393.800 | 393.760 | 0.9999 | 2018 |
| 60905 | BOLIDEN MINERAL SWEDEN | 403.850 | 403.809 | 0.9999 | 2018 |
| 60906 | BOLIDEN MINERAL SWEDEN | 397.400 | 397.360 | 0.9999 | 2018 |
| 6124  | KRASNOYARSK            | 425.475 | 425.432 | 0.9999 | 2020 |
| 6126  | KRASNOYARSK            | 411.575 | 411.533 | 0.9999 | 2020 |
| 61381 | BOLIDEN MINERAL SWEDEN | 415.125 | 415.083 | 0.9999 | 2019 |
| 61382 | BOLIDEN MINERAL SWEDEN | 423.850 | 423.807 | 0.9999 | 2019 |
| 61383 | BOLIDEN MINERAL SWEDEN | 393.950 | 393.910 | 0.9999 | 2019 |
| 61384 | BOLIDEN MINERAL SWEDEN | 401.675 | 401.634 | 0.9999 | 2019 |
| 61385 | BOLIDEN MINERAL SWEDEN | 393.375 | 393.335 | 0.9999 | 2019 |
| 61386 | BOLIDEN MINERAL SWEDEN | 406.100 | 406.059 | 0.9999 | 2019 |
| 61387 | BOLIDEN MINERAL SWEDEN | 391.875 | 391.835 | 0.9999 | 2019 |
| 61398 | BOLIDEN MINERAL SWEDEN | 406.175 | 406.134 | 0.9999 | 2019 |
| 61399 | BOLIDEN MINERAL SWEDEN | 392.450 | 392.410 | 0.9999 | 2019 |
| 61400 | BOLIDEN MINERAL SWEDEN | 409.600 | 409.559 | 0.9999 | 2019 |
| 61401 | BOLIDEN MINERAL SWEDEN | 393.450 | 393.410 | 0.9999 | 2019 |
| 61402 | BOLIDEN MINERAL SWEDEN | 394.425 | 394.385 | 0.9999 | 2019 |
| 61403 | BOLIDEN MINERAL SWEDEN | 401.400 | 401.359 | 0.9999 | 2019 |
| 61404 | BOLIDEN MINERAL SWEDEN | 399.375 | 399.335 | 0.9999 | 2019 |
| 61405 | BOLIDEN MINERAL SWEDEN | 403.475 | 403.434 | 0.9999 | 2019 |
| 61406 | BOLIDEN MINERAL SWEDEN | 411.600 | 411.558 | 0.9999 | 2019 |
| 61407 | BOLIDEN MINERAL SWEDEN | 410.175 | 410.134 | 0.9999 | 2019 |
| 61408 | BOLIDEN MINERAL SWEDEN | 404.725 | 404.684 | 0.9999 | 2019 |
| 61409 | BOLIDEN MINERAL SWEDEN | 407.600 | 407.559 | 0.9999 | 2019 |
| 61410 | BOLIDEN MINERAL SWEDEN | 411.875 | 411.833 | 0.9999 | 2019 |
| 61411 | BOLIDEN MINERAL SWEDEN | 410.900 | 410.859 | 0.9999 | 2019 |
| 61412 | BOLIDEN MINERAL SWEDEN | 403.600 | 403.559 | 0.9999 | 2019 |
| 61413 | BOLIDEN MINERAL SWEDEN | 411.700 | 411.658 | 0.9999 | 2019 |
| 61414 | BOLIDEN MINERAL SWEDEN | 419.225 | 419.183 | 0.9999 | 2019 |
| 61415 | BOLIDEN MINERAL SWEDEN | 419.050 | 419.008 | 0.9999 | 2019 |
| 61416 | BOLIDEN MINERAL SWEDEN | 412.800 | 412.758 | 0.9999 | 2019 |
| 61417 | BOLIDEN MINERAL SWEDEN | 418.025 | 417.983 | 0.9999 | 2019 |
| 61418 | BOLIDEN MINERAL SWEDEN | 417.650 | 417.608 | 0.9999 | 2019 |
| 61419 | BOLIDEN MINERAL SWEDEN | 421.300 | 421.257 | 0.9999 | 2019 |

|       |                        |         |         |        |      |
|-------|------------------------|---------|---------|--------|------|
| 61420 | BOLIDEN MINERAL SWEDEN | 411.175 | 411.133 | 0.9999 | 2019 |
| 61421 | BOLIDEN MINERAL SWEDEN | 416.175 | 416.133 | 0.9999 | 2019 |
| 61422 | BOLIDEN MINERAL SWEDEN | 413.025 | 412.983 | 0.9999 | 2019 |
| 61423 | BOLIDEN MINERAL SWEDEN | 409.475 | 409.434 | 0.9999 | 2019 |
| 61424 | BOLIDEN MINERAL SWEDEN | 420.000 | 419.958 | 0.9999 | 2019 |
| 61425 | BOLIDEN MINERAL SWEDEN | 421.525 | 421.482 | 0.9999 | 2019 |
| 61426 | BOLIDEN MINERAL SWEDEN | 406.300 | 406.259 | 0.9999 | 2019 |
| 61427 | BOLIDEN MINERAL SWEDEN | 420.400 | 420.358 | 0.9999 | 2019 |
| 61428 | BOLIDEN MINERAL SWEDEN | 419.325 | 419.283 | 0.9999 | 2019 |
| 61429 | BOLIDEN MINERAL SWEDEN | 416.300 | 416.258 | 0.9999 | 2019 |
| 61430 | BOLIDEN MINERAL SWEDEN | 412.900 | 412.858 | 0.9999 | 2019 |
| 61431 | BOLIDEN MINERAL SWEDEN | 411.725 | 411.683 | 0.9999 | 2019 |
| 61432 | BOLIDEN MINERAL SWEDEN | 423.725 | 423.682 | 0.9999 | 2019 |
| 61433 | BOLIDEN MINERAL SWEDEN | 404.375 | 404.334 | 0.9999 | 2019 |
| 61434 | BOLIDEN MINERAL SWEDEN | 401.750 | 401.709 | 0.9999 | 2019 |
| 61435 | BOLIDEN MINERAL SWEDEN | 389.700 | 389.661 | 0.9999 | 2019 |
| 61436 | BOLIDEN MINERAL SWEDEN | 405.450 | 405.409 | 0.9999 | 2019 |
| 61444 | BOLIDEN MINERAL SWEDEN | 404.200 | 404.159 | 0.9999 | 2019 |
| 61445 | BOLIDEN MINERAL SWEDEN | 406.000 | 405.959 | 0.9999 | 2019 |
| 61446 | BOLIDEN MINERAL SWEDEN | 399.325 | 399.285 | 0.9999 | 2019 |
| 61447 | BOLIDEN MINERAL SWEDEN | 408.425 | 408.384 | 0.9999 | 2019 |
| 61448 | BOLIDEN MINERAL SWEDEN | 411.825 | 411.783 | 0.9999 | 2019 |
| 61449 | BOLIDEN MINERAL SWEDEN | 413.025 | 412.983 | 0.9999 | 2019 |
| 61450 | BOLIDEN MINERAL SWEDEN | 400.050 | 400.010 | 0.9999 | 2019 |
| 61451 | BOLIDEN MINERAL SWEDEN | 404.125 | 404.084 | 0.9999 | 2019 |
| 61452 | BOLIDEN MINERAL SWEDEN | 407.250 | 407.209 | 0.9999 | 2019 |
| 61453 | BOLIDEN MINERAL SWEDEN | 408.350 | 408.309 | 0.9999 | 2019 |
| 61454 | BOLIDEN MINERAL SWEDEN | 408.125 | 408.084 | 0.9999 | 2019 |
| 61455 | BOLIDEN MINERAL SWEDEN | 406.550 | 406.509 | 0.9999 | 2019 |
| 61456 | BOLIDEN MINERAL SWEDEN | 410.700 | 410.659 | 0.9999 | 2019 |
| 61457 | BOLIDEN MINERAL SWEDEN | 417.550 | 417.508 | 0.9999 | 2019 |
| 61458 | BOLIDEN MINERAL SWEDEN | 425.675 | 425.632 | 0.9999 | 2019 |
| 61459 | BOLIDEN MINERAL SWEDEN | 420.975 | 420.933 | 0.9999 | 2019 |
| 61478 | BOLIDEN MINERAL SWEDEN | 393.075 | 393.035 | 0.9999 | 2019 |
| 61479 | BOLIDEN MINERAL SWEDEN | 400.675 | 400.635 | 0.9999 | 2019 |
| 61480 | BOLIDEN MINERAL SWEDEN | 406.125 | 406.084 | 0.9999 | 2019 |
| 61481 | BOLIDEN MINERAL SWEDEN | 410.775 | 410.734 | 0.9999 | 2019 |
| 61482 | BOLIDEN MINERAL SWEDEN | 406.100 | 406.059 | 0.9999 | 2019 |
| 61483 | BOLIDEN MINERAL SWEDEN | 397.475 | 397.435 | 0.9999 | 2019 |
| 61484 | BOLIDEN MINERAL SWEDEN | 408.050 | 408.009 | 0.9999 | 2019 |
| 61505 | BOLIDEN MINERAL SWEDEN | 399.775 | 399.735 | 0.9999 | 2019 |
| 61506 | BOLIDEN MINERAL SWEDEN | 387.975 | 387.936 | 0.9999 | 2019 |
| 61507 | BOLIDEN MINERAL SWEDEN | 395.500 | 395.460 | 0.9999 | 2019 |
| 61508 | BOLIDEN MINERAL SWEDEN | 412.425 | 412.383 | 0.9999 | 2019 |
| 61509 | BOLIDEN MINERAL SWEDEN | 381.325 | 381.286 | 0.9999 | 2019 |
| 61510 | BOLIDEN MINERAL SWEDEN | 409.175 | 409.134 | 0.9999 | 2019 |
| 61511 | BOLIDEN MINERAL SWEDEN | 406.000 | 405.959 | 0.9999 | 2019 |
| 61512 | BOLIDEN MINERAL SWEDEN | 408.750 | 408.709 | 0.9999 | 2019 |
| 61513 | BOLIDEN MINERAL SWEDEN | 415.300 | 415.258 | 0.9999 | 2019 |
| 61514 | BOLIDEN MINERAL SWEDEN | 405.375 | 405.334 | 0.9999 | 2019 |

|          |                           |         |         |        |      |
|----------|---------------------------|---------|---------|--------|------|
| 61515    | BOLIDEN MINERAL SWEDEN    | 409.350 | 409.309 | 0.9999 | 2019 |
| 680227   | METALOR SINGAPORE         | 395.450 | 395.410 | 0.9999 | 2019 |
| 680228   | METALOR SINGAPORE         | 395.450 | 395.410 | 0.9999 | 2019 |
| 690039   | METALOR SINGAPORE         | 395.550 | 395.510 | 0.9999 | 2019 |
| 690040   | METALOR SINGAPORE         | 395.475 | 395.435 | 0.9999 | 2019 |
| 6975     | NOVOSIBIRSK               | 421.675 | 421.632 | 0.9999 | 2019 |
| 6976     | NOVOSIBIRSK               | 421.300 | 421.257 | 0.9999 | 2019 |
| 6990     | NOVOSIBIRSK               | 416.550 | 416.508 | 0.9999 | 2019 |
| 6993     | NOVOSIBIRSK               | 416.500 | 416.458 | 0.9999 | 2019 |
| 6997     | NOVOSIBIRSK               | 402.050 | 402.009 | 0.9999 | 2019 |
| 7056     | NOVOSIBIRSK               | 400.000 | 399.960 | 0.9999 | 2019 |
| 7058     | NOVOSIBIRSK               | 404.050 | 404.009 | 0.9999 | 2019 |
| 7061     | NOVOSIBIRSK               | 406.375 | 406.334 | 0.9999 | 2019 |
| 7064     | NOVOSIBIRSK               | 404.800 | 404.759 | 0.9999 | 2019 |
| 7213     | NOVOSIBIRSK               | 363.325 | 363.288 | 0.9999 | 2019 |
| 7229     | NOVOSIBIRSK               | 396.375 | 396.335 | 0.9999 | 2019 |
| 7231     | NOVOSIBIRSK               | 382.350 | 382.311 | 0.9999 | 2019 |
| 7233     | NOVOSIBIRSK               | 377.475 | 377.437 | 0.9999 | 2019 |
| 7234     | NOVOSIBIRSK               | 381.025 | 380.986 | 0.9999 | 2019 |
| 7235     | NOVOSIBIRSK               | 372.250 | 372.212 | 0.9999 | 2019 |
| 7243     | NOVOSIBIRSK               | 385.200 | 385.161 | 0.9999 | 2019 |
| 7269     | NOVOSIBIRSK               | 390.200 | 390.161 | 0.9999 | 2019 |
| 7271     | NOVOSIBIRSK               | 387.225 | 387.186 | 0.9999 | 2019 |
| 7274     | NOVOSIBIRSK               | 384.875 | 384.836 | 0.9999 | 2019 |
| 7327     | NOVOSIBIRSK               | 376.350 | 376.312 | 0.9999 | 2019 |
| 7329     | NOVOSIBIRSK               | 381.300 | 381.261 | 0.9999 | 2019 |
| 7331     | NOVOSIBIRSK               | 371.875 | 371.837 | 0.9999 | 2019 |
| 7443     | NOVOSIBIRSK               | 383.900 | 383.861 | 0.9999 | 2019 |
| 7449     | NOVOSIBIRSK               | 383.375 | 383.336 | 0.9999 | 2019 |
| 94       | CCR REFINERY-GLENCORE CAN | 400.675 | 400.635 | 0.9999 | 2019 |
| 95       | CCR REFINERY-GLENCORE CAN | 402.675 | 402.634 | 0.9999 | 2019 |
| 96       | CCR REFINERY-GLENCORE CAN | 401.925 | 401.884 | 0.9999 | 2019 |
| 97       | CCR REFINERY-GLENCORE CAN | 407.375 | 407.334 | 0.9999 | 2019 |
| 98       | CCR REFINERY-GLENCORE CAN | 405.025 | 404.984 | 0.9999 | 2019 |
| 99       | CCR REFINERY-GLENCORE CAN | 409.225 | 409.184 | 0.9999 | 2019 |
| A032703  | KRASNOYARSK               | 419.225 | 419.183 | 0.9999 | 2016 |
| AB 71835 | VALCAMBI SA               | 398.125 | 398.045 | 0.9998 | 2017 |
| AB 71836 | VALCAMBI SA               | 397.775 | 397.695 | 0.9998 | 2017 |
| AB 71837 | VALCAMBI SA               | 395.650 | 395.570 | 0.9998 | 2017 |
| AB 71838 | VALCAMBI SA               | 400.375 | 400.295 | 0.9998 | 2017 |
| AB 71839 | VALCAMBI SA               | 401.700 | 401.619 | 0.9998 | 2017 |
| AB 71840 | VALCAMBI SA               | 402.725 | 402.644 | 0.9998 | 2017 |
| AB 71753 | VALCAMBI SA               | 400.150 | 399.869 | 0.9993 | 2017 |
| AB 71754 | VALCAMBI SA               | 402.250 | 401.968 | 0.9993 | 2017 |
| AB 71755 | VALCAMBI SA               | 406.725 | 406.440 | 0.9993 | 2017 |
| AB 71756 | VALCAMBI SA               | 399.125 | 398.845 | 0.9993 | 2017 |
| AB 71757 | VALCAMBI SA               | 400.675 | 400.394 | 0.9993 | 2017 |
| AB 71758 | VALCAMBI SA               | 401.475 | 401.194 | 0.9993 | 2017 |
| AB 71759 | VALCAMBI SA               | 397.300 | 397.021 | 0.9993 | 2017 |
| AB 71760 | VALCAMBI SA               | 406.875 | 406.590 | 0.9993 | 2017 |

|          |             |         |         |        |      |
|----------|-------------|---------|---------|--------|------|
| AB 71761 | VALCAMBI SA | 394.900 | 394.623 | 0.9993 | 2017 |
| AB 71762 | VALCAMBI SA | 395.500 | 395.223 | 0.9993 | 2017 |
| AB 71763 | VALCAMBI SA | 397.650 | 397.371 | 0.9993 | 2017 |
| AB 72035 | VALCAMBI SA | 400.700 | 400.619 | 0.9998 | 2017 |
| AB 72036 | VALCAMBI SA | 400.750 | 400.669 | 0.9998 | 2017 |
| AB 72037 | VALCAMBI SA | 403.400 | 403.319 | 0.9998 | 2017 |
| AB 72038 | VALCAMBI SA | 400.450 | 400.370 | 0.9998 | 2017 |
| C014789  | P A M P SA  | 398.425 | 398.345 | 0.9998 | 2016 |
| C014790  | P A M P SA  | 407.575 | 407.493 | 0.9998 | 2016 |
| C014791  | P A M P SA  | 408.300 | 408.218 | 0.9998 | 2016 |
| C014792  | P A M P SA  | 392.050 | 391.971 | 0.9998 | 2016 |
| C014793  | P A M P SA  | 415.875 | 415.791 | 0.9998 | 2016 |
| C014794  | P A M P SA  | 413.300 | 413.217 | 0.9998 | 2016 |
| C014795  | P A M P SA  | 395.225 | 395.146 | 0.9998 | 2016 |
| C014796  | P A M P SA  | 406.400 | 406.318 | 0.9998 | 2016 |
| C014797  | P A M P SA  | 403.600 | 403.519 | 0.9998 | 2016 |
| C014799  | P A M P SA  | 402.025 | 401.944 | 0.9998 | 2016 |
| C014800  | P A M P SA  | 412.325 | 412.242 | 0.9998 | 2016 |
| C014801  | P A M P SA  | 409.800 | 409.718 | 0.9998 | 2016 |
| C014802  | P A M P SA  | 413.500 | 413.417 | 0.9998 | 2016 |
| C014803  | P A M P SA  | 413.050 | 412.967 | 0.9998 | 2016 |
| C014804  | P A M P SA  | 407.700 | 407.618 | 0.9998 | 2016 |
| C014805  | P A M P SA  | 406.500 | 406.418 | 0.9998 | 2016 |
| C014806  | P A M P SA  | 406.150 | 406.068 | 0.9998 | 2016 |
| C014807  | P A M P SA  | 399.625 | 399.545 | 0.9998 | 2016 |
| C014808  | P A M P SA  | 394.175 | 394.096 | 0.9998 | 2016 |
| C014809  | P A M P SA  | 402.825 | 402.744 | 0.9998 | 2016 |
| C014810  | P A M P SA  | 392.050 | 391.971 | 0.9998 | 2016 |
| C014811  | P A M P SA  | 397.200 | 397.120 | 0.9998 | 2016 |
| C014812  | P A M P SA  | 402.775 | 402.694 | 0.9998 | 2016 |
| C014813  | P A M P SA  | 396.975 | 396.895 | 0.9998 | 2016 |
| C014814  | P A M P SA  | 385.875 | 383.945 | 0.9950 | 2016 |
| C014815  | P A M P SA  | 385.950 | 384.020 | 0.9950 | 2016 |
| C014816  | P A M P SA  | 397.225 | 395.238 | 0.9950 | 2016 |
| C014817  | P A M P SA  | 397.125 | 395.139 | 0.9950 | 2016 |
| C014818  | P A M P SA  | 399.175 | 397.179 | 0.9950 | 2016 |
| C014819  | P A M P SA  | 394.225 | 392.253 | 0.9950 | 2016 |
| C014820  | P A M P SA  | 398.900 | 396.905 | 0.9950 | 2016 |
| C014821  | P A M P SA  | 407.800 | 405.761 | 0.9950 | 2016 |
| C014822  | P A M P SA  | 402.300 | 400.288 | 0.9950 | 2016 |
| C014823  | P A M P SA  | 395.525 | 393.547 | 0.9950 | 2016 |
| C014824  | P A M P SA  | 408.625 | 406.581 | 0.9950 | 2016 |
| C014825  | P A M P SA  | 399.100 | 397.104 | 0.9950 | 2016 |
| C014826  | P A M P SA  | 391.350 | 389.393 | 0.9950 | 2016 |
| C014827  | P A M P SA  | 386.550 | 384.617 | 0.9950 | 2016 |
| C014828  | P A M P SA  | 384.700 | 382.776 | 0.9950 | 2016 |
| C014829  | P A M P SA  | 396.125 | 394.144 | 0.9950 | 2016 |
| C014830  | P A M P SA  | 397.050 | 395.064 | 0.9950 | 2016 |
| C014831  | P A M P SA  | 394.350 | 392.378 | 0.9950 | 2016 |
| C014832  | P A M P SA  | 390.425 | 388.472 | 0.9950 | 2016 |

|         |            |         |         |        |       |
|---------|------------|---------|---------|--------|-------|
| C014833 | P A M P SA | 397.850 | 397.770 | 0.9998 | 2016  |
| C014834 | P A M P SA | 401.575 | 401.494 | 0.9998 | 2016  |
| C014835 | P A M P SA | 388.725 | 388.647 | 0.9998 | 2016  |
| C014836 | P A M P SA | 399.575 | 399.495 | 0.9998 | 2016  |
| C014837 | P A M P SA | 399.650 | 399.570 | 0.9998 | 2016  |
| C014838 | P A M P SA | 408.375 | 408.293 | 0.9998 | 2016  |
| C014839 | P A M P SA | 395.950 | 395.870 | 0.9998 | 2016  |
| C014840 | P A M P SA | 393.525 | 393.446 | 0.9998 | 2016  |
| C014841 | P A M P SA | 399.700 | 399.620 | 0.9998 | 2016  |
| C014842 | P A M P SA | 393.675 | 393.596 | 0.9998 | 2016  |
| C014843 | P A M P SA | 383.750 | 383.673 | 0.9998 | 2016  |
| C014844 | P A M P SA | 415.875 | 415.791 | 0.9998 | 2016  |
| C014845 | P A M P SA | 393.100 | 393.021 | 0.9998 | 2016  |
| C014846 | P A M P SA | 402.750 | 402.669 | 0.9998 | 2016  |
| C014847 | P A M P SA | 404.475 | 404.111 | 0.9991 | 2016  |
| C014848 | P A M P SA | 398.575 | 398.216 | 0.9991 | 2016  |
| C037475 | P A M P SA | 397.325 | 397.166 | 0.9996 | 2019  |
| C037476 | P A M P SA | 401.425 | 401.344 | 0.9998 | 2019  |
| C037477 | P A M P SA | 398.500 | 398.420 | 0.9998 | 2019  |
| C037478 | P A M P SA | 398.750 | 398.670 | 0.9998 | 2019  |
| C037479 | P A M P SA | 398.100 | 398.020 | 0.9998 | 2019  |
| C037480 | P A M P SA | 397.950 | 397.870 | 0.9998 | 2019  |
| C041494 | P A M P SA | 395.525 | 394.694 | 0.9979 | 22020 |
| C041495 | P A M P SA | 390.400 | 389.580 | 0.9979 | 22020 |
| C041496 | P A M P SA | 394.350 | 393.521 | 0.9979 | 22020 |
| C041497 | P A M P SA | 389.875 | 389.056 | 0.9979 | 22020 |
| C041498 | P A M P SA | 400.575 | 399.733 | 0.9979 | 22020 |
| C041499 | P A M P SA | 392.500 | 391.675 | 0.9979 | 22020 |
| C041500 | P A M P SA | 388.250 | 387.434 | 0.9979 | 22020 |
| C041501 | P A M P SA | 401.900 | 401.056 | 0.9979 | 22020 |
| C041502 | P A M P SA | 391.475 | 390.653 | 0.9979 | 22020 |
| C041503 | P A M P SA | 397.050 | 396.216 | 0.9979 | 22020 |
| C041504 | P A M P SA | 396.025 | 394.876 | 0.9971 | 22020 |
| C041505 | P A M P SA | 382.250 | 381.141 | 0.9971 | 22020 |
| C041506 | P A M P SA | 405.350 | 404.174 | 0.9971 | 22020 |
| C041507 | P A M P SA | 395.475 | 394.328 | 0.9971 | 22020 |
| C041508 | P A M P SA | 392.725 | 390.918 | 0.9954 | 22020 |
| C041509 | P A M P SA | 396.625 | 394.800 | 0.9954 | 22020 |
| C041510 | P A M P SA | 405.500 | 403.634 | 0.9954 | 22020 |
| C041511 | P A M P SA | 397.900 | 396.069 | 0.9954 | 22020 |
| C041512 | P A M P SA | 396.075 | 394.253 | 0.9954 | 22020 |
| C041513 | P A M P SA | 400.250 | 398.408 | 0.9954 | 22020 |
| C041644 | P A M P SA | 412.000 | 411.917 | 0.9998 | 32020 |
| C041645 | P A M P SA | 414.425 | 414.342 | 0.9998 | 32020 |
| C041646 | P A M P SA | 410.775 | 410.692 | 0.9998 | 32020 |
| C041647 | P A M P SA | 413.050 | 412.967 | 0.9998 | 32020 |
| C041648 | P A M P SA | 421.350 | 421.265 | 0.9998 | 32020 |
| C041649 | P A M P SA | 411.400 | 411.317 | 0.9998 | 32020 |
| C041650 | P A M P SA | 407.775 | 407.693 | 0.9998 | 32020 |
| C041651 | P A M P SA | 410.350 | 410.268 | 0.9998 | 32020 |



|         |            |         |         |        |       |
|---------|------------|---------|---------|--------|-------|
| C041652 | P A M P SA | 409.725 | 409.643 | 0.9998 | 32020 |
| C041653 | P A M P SA | 408.350 | 408.268 | 0.9998 | 32020 |
| C041654 | P A M P SA | 412.675 | 412.592 | 0.9998 | 32020 |
| C041655 | P A M P SA | 405.150 | 405.069 | 0.9998 | 32020 |
| C041656 | P A M P SA | 408.900 | 408.818 | 0.9998 | 32020 |
| C041657 | P A M P SA | 408.125 | 408.043 | 0.9998 | 32020 |
| C041658 | P A M P SA | 417.800 | 417.716 | 0.9998 | 32020 |
| C041659 | P A M P SA | 401.950 | 401.869 | 0.9998 | 32020 |
| C041660 | P A M P SA | 398.550 | 398.470 | 0.9998 | 32020 |
| C041661 | P A M P SA | 404.575 | 404.494 | 0.9998 | 32020 |
| C041662 | P A M P SA | 403.575 | 403.494 | 0.9998 | 32020 |
| C041663 | P A M P SA | 409.850 | 409.768 | 0.9998 | 32020 |
| C041664 | P A M P SA | 409.400 | 409.318 | 0.9998 | 32020 |
| C041665 | P A M P SA | 397.875 | 397.795 | 0.9998 | 32020 |
| C041666 | P A M P SA | 401.225 | 401.144 | 0.9998 | 32020 |
| C041667 | P A M P SA | 409.350 | 409.268 | 0.9998 | 32020 |
| C041668 | P A M P SA | 391.100 | 391.021 | 0.9998 | 32020 |
| C041669 | P A M P SA | 428.325 | 427.853 | 0.9989 | 32020 |
| C041670 | P A M P SA | 423.550 | 423.084 | 0.9989 | 32020 |
| C041671 | P A M P SA | 425.000 | 424.532 | 0.9989 | 32020 |
| C041672 | P A M P SA | 407.575 | 407.126 | 0.9989 | 32020 |
| C041673 | P A M P SA | 412.350 | 411.896 | 0.9989 | 32020 |
| C041674 | P A M P SA | 404.425 | 403.980 | 0.9989 | 32020 |
| C041675 | P A M P SA | 393.800 | 393.366 | 0.9989 | 32020 |
| C041676 | P A M P SA | 409.275 | 408.824 | 0.9989 | 32020 |
| C041677 | P A M P SA | 418.525 | 418.064 | 0.9989 | 32020 |
| C041678 | P A M P SA | 398.400 | 397.961 | 0.9989 | 32020 |
| C041679 | P A M P SA | 412.450 | 411.996 | 0.9989 | 32020 |
| C041680 | P A M P SA | 410.000 | 409.549 | 0.9989 | 32020 |
| C041681 | P A M P SA | 417.825 | 417.741 | 0.9998 | 32020 |
| C041682 | P A M P SA | 414.225 | 414.142 | 0.9998 | 32020 |
| C041683 | P A M P SA | 416.150 | 416.066 | 0.9998 | 32020 |
| C041684 | P A M P SA | 428.975 | 428.889 | 0.9998 | 32020 |
| C041685 | P A M P SA | 422.450 | 422.365 | 0.9998 | 32020 |
| C041686 | P A M P SA | 422.525 | 422.440 | 0.9998 | 32020 |
| C041687 | P A M P SA | 416.150 | 416.066 | 0.9998 | 32020 |
| C041688 | P A M P SA | 416.800 | 416.716 | 0.9998 | 32020 |
| C041689 | P A M P SA | 413.275 | 413.192 | 0.9998 | 32020 |
| C041690 | P A M P SA | 402.300 | 402.219 | 0.9998 | 32020 |
| C041691 | P A M P SA | 415.575 | 415.325 | 0.9994 | 32020 |
| C041692 | P A M P SA | 416.850 | 416.599 | 0.9994 | 32020 |
| C041693 | P A M P SA | 420.975 | 420.722 | 0.9994 | 32020 |
| C041694 | P A M P SA | 423.725 | 423.470 | 0.9994 | 32020 |
| C041695 | P A M P SA | 414.300 | 414.051 | 0.9994 | 32020 |
| C041696 | P A M P SA | 422.175 | 421.921 | 0.9994 | 32020 |
| C041697 | P A M P SA | 420.450 | 420.197 | 0.9994 | 32020 |
| C041698 | P A M P SA | 420.275 | 420.022 | 0.9994 | 32020 |
| C041699 | P A M P SA | 403.325 | 403.244 | 0.9998 | 32020 |
| C041700 | P A M P SA | 406.750 | 406.668 | 0.9998 | 32020 |
| C041701 | P A M P SA | 411.800 | 411.717 | 0.9998 | 32020 |

|         |               |         |         |        |       |
|---------|---------------|---------|---------|--------|-------|
| C041702 | P A M P SA    | 406.225 | 406.143 | 0.9998 | 32020 |
| C041703 | P A M P SA    | 404.500 | 404.419 | 0.9998 | 32020 |
| C056307 | KRASNOYARSK   | 400.950 | 400.910 | 0.9999 | 2014  |
| WN3526  | RAND REFINERY | 403.800 | 403.234 | 0.9986 | 2019  |
| WN3527  | RAND REFINERY | 403.800 | 403.234 | 0.9986 | 2019  |
| WN3528  | RAND REFINERY | 403.800 | 403.234 | 0.9986 | 2019  |
| WN3529  | RAND REFINERY | 403.800 | 403.234 | 0.9986 | 2019  |
| WN3530  | RAND REFINERY | 403.800 | 403.234 | 0.9986 | 2019  |
| WN3531  | RAND REFINERY | 403.800 | 403.234 | 0.9986 | 2019  |
| WN3533  | RAND REFINERY | 403.800 | 403.234 | 0.9986 | 2019  |
| WN3534  | RAND REFINERY | 403.825 | 403.259 | 0.9986 | 2019  |
| WN3535  | RAND REFINERY | 403.800 | 403.234 | 0.9986 | 2019  |
| WN3536  | RAND REFINERY | 403.800 | 403.234 | 0.9986 | 2019  |
| ZE7388  | RAND REFINERY | 403.100 | 402.172 | 0.9977 | 0     |
| ZS4189  | RAND REFINERY | 402.175 | 401.893 | 0.9993 | 2016  |
| ZS4190  | RAND REFINERY | 407.050 | 406.765 | 0.9993 | 2016  |
| ZS4191  | RAND REFINERY | 407.000 | 406.186 | 0.9980 | 2016  |
| ZS4192  | RAND REFINERY | 405.425 | 404.614 | 0.9980 | 2016  |
| ZS4193  | RAND REFINERY | 405.125 | 404.314 | 0.9980 | 2016  |
| ZS4194  | RAND REFINERY | 404.850 | 404.040 | 0.9980 | 2016  |
| ZS4195  | RAND REFINERY | 409.275 | 408.456 | 0.9980 | 2016  |
| ZS4196  | RAND REFINERY | 407.925 | 407.109 | 0.9980 | 2016  |
| ZS4197  | RAND REFINERY | 406.450 | 405.637 | 0.9980 | 2016  |
| ZS4199  | RAND REFINERY | 407.250 | 406.435 | 0.9980 | 2016  |
| ZS4200  | RAND REFINERY | 408.525 | 407.708 | 0.9980 | 2016  |
| ZS4201  | RAND REFINERY | 405.150 | 404.339 | 0.9980 | 2016  |
| ZS4202  | RAND REFINERY | 404.725 | 403.915 | 0.9980 | 2016  |
| ZS4203  | RAND REFINERY | 405.550 | 404.739 | 0.9980 | 2016  |
| ZS4204  | RAND REFINERY | 408.450 | 407.633 | 0.9980 | 2016  |
| ZS4205  | RAND REFINERY | 408.700 | 407.882 | 0.9980 | 2016  |
| ZS4207  | RAND REFINERY | 406.625 | 405.811 | 0.9980 | 2016  |
| ZS4209  | RAND REFINERY | 403.700 | 402.892 | 0.9980 | 2016  |
| ZS4210  | RAND REFINERY | 407.025 | 406.292 | 0.9982 | 2016  |
| ZS4211  | RAND REFINERY | 407.400 | 406.666 | 0.9982 | 2016  |
| ZS4212  | RAND REFINERY | 405.275 | 404.545 | 0.9982 | 2016  |
| ZS4213  | RAND REFINERY | 408.650 | 407.914 | 0.9982 | 2016  |
| ZS4214  | RAND REFINERY | 401.875 | 401.151 | 0.9982 | 2016  |
| ZS4217  | RAND REFINERY | 402.400 | 401.675 | 0.9982 | 2016  |
| ZS4219  | RAND REFINERY | 404.975 | 404.246 | 0.9982 | 2016  |
| ZS4220  | RAND REFINERY | 405.475 | 404.745 | 0.9982 | 2016  |
| ZS4221  | RAND REFINERY | 404.475 | 403.747 | 0.9982 | 2016  |
| ZS4223  | RAND REFINERY | 405.825 | 405.094 | 0.9982 | 2016  |
| ZS4226  | RAND REFINERY | 401.925 | 401.201 | 0.9982 | 2016  |
| ZS4228  | RAND REFINERY | 407.975 | 407.240 | 0.9982 | 2016  |
| ZS4229  | RAND REFINERY | 404.950 | 404.221 | 0.9982 | 2016  |
| ZS4230  | RAND REFINERY | 404.375 | 403.647 | 0.9982 | 2016  |
| ZS4231  | RAND REFINERY | 406.675 | 405.943 | 0.9982 | 2016  |
| ZS4232  | RAND REFINERY | 406.775 | 406.042 | 0.9982 | 2016  |
| ZS4245  | RAND REFINERY | 403.975 | 403.288 | 0.9983 | 2016  |
| ZS4345  | RAND REFINERY | 408.425 | 407.934 | 0.9988 | 2016  |

|         |             |         |         |        |      |
|---------|-------------|---------|---------|--------|------|
| A026828 | KRASNOYARSK | 403.125 | 403.084 | 0.9999 | 2016 |
| A026919 | KRASNOYARSK | 411.800 | 411.758 | 0.9999 | 2016 |
| A026924 | KRASNOYARSK | 414.525 | 414.483 | 0.9999 | 2016 |
| A027009 | KRASNOYARSK | 411.500 | 411.458 | 0.9999 | 2016 |
| A027018 | KRASNOYARSK | 408.600 | 408.559 | 0.9999 | 2016 |
| A027021 | KRASNOYARSK | 410.575 | 410.534 | 0.9999 | 2016 |
| A027026 | KRASNOYARSK | 410.500 | 410.459 | 0.9999 | 2016 |
| A037407 | KRASNOYARSK | 390.600 | 390.561 | 0.9999 | 2016 |
| A037519 | KRASNOYARSK | 366.800 | 366.763 | 0.9999 | 2016 |
| A037521 | KRASNOYARSK | 364.500 | 364.463 | 0.9999 | 2016 |
| A037529 | KRASNOYARSK | 390.350 | 390.311 | 0.9999 | 2016 |
| A037604 | KRASNOYARSK | 399.650 | 399.610 | 0.9999 | 2016 |
| A037608 | KRASNOYARSK | 392.750 | 392.710 | 0.9999 | 2016 |
| A037613 | KRASNOYARSK | 370.825 | 370.788 | 0.9999 | 2016 |
| A037615 | KRASNOYARSK | 407.325 | 407.284 | 0.9999 | 2016 |
| A037616 | KRASNOYARSK | 404.650 | 404.609 | 0.9999 | 2016 |
| A037618 | KRASNOYARSK | 400.350 | 400.310 | 0.9999 | 2016 |
| A037619 | KRASNOYARSK | 406.625 | 406.584 | 0.9999 | 2016 |
| A037620 | KRASNOYARSK | 370.400 | 370.363 | 0.9999 | 2016 |
| A037622 | KRASNOYARSK | 365.450 | 365.413 | 0.9999 | 2016 |
| A037623 | KRASNOYARSK | 406.725 | 406.684 | 0.9999 | 2016 |
| A037625 | KRASNOYARSK | 361.875 | 361.838 | 0.9999 | 2016 |
| A037626 | KRASNOYARSK | 398.675 | 398.635 | 0.9999 | 2016 |
| A037628 | KRASNOYARSK | 379.400 | 379.362 | 0.9999 | 2016 |
| A037630 | KRASNOYARSK | 398.150 | 398.110 | 0.9999 | 2016 |
| A037631 | KRASNOYARSK | 400.300 | 400.260 | 0.9999 | 2016 |
| A037632 | KRASNOYARSK | 403.000 | 402.959 | 0.9999 | 2016 |
| A037701 | KRASNOYARSK | 387.725 | 387.686 | 0.9999 | 2016 |
| A038719 | KRASNOYARSK | 418.500 | 418.458 | 0.9999 | 2016 |
| A038914 | KRASNOYARSK | 417.525 | 417.483 | 0.9999 | 2016 |
| A038923 | KRASNOYARSK | 418.225 | 418.183 | 0.9999 | 2016 |
| A041912 | KRASNOYARSK | 390.825 | 390.786 | 0.9999 | 2016 |
| A041913 | KRASNOYARSK | 389.125 | 389.086 | 0.9999 | 2016 |
| A041914 | KRASNOYARSK | 388.275 | 388.236 | 0.9999 | 2016 |
| A041916 | KRASNOYARSK | 380.325 | 380.287 | 0.9999 | 2016 |
| A042001 | KRASNOYARSK | 384.025 | 383.986 | 0.9999 | 2016 |
| A042005 | KRASNOYARSK | 377.975 | 377.937 | 0.9999 | 2016 |
| A042006 | KRASNOYARSK | 385.600 | 385.561 | 0.9999 | 2016 |
| A042007 | KRASNOYARSK | 385.900 | 385.861 | 0.9999 | 2016 |
| A042008 | KRASNOYARSK | 384.225 | 384.186 | 0.9999 | 2016 |
| A042010 | KRASNOYARSK | 393.750 | 393.710 | 0.9999 | 2016 |
| A042012 | KRASNOYARSK | 391.600 | 391.560 | 0.9999 | 2016 |
| A042013 | KRASNOYARSK | 376.425 | 376.387 | 0.9999 | 2016 |
| A042014 | KRASNOYARSK | 392.825 | 392.785 | 0.9999 | 2016 |
| A042015 | KRASNOYARSK | 386.750 | 386.711 | 0.9999 | 2016 |
| A042018 | KRASNOYARSK | 393.725 | 393.685 | 0.9999 | 2016 |
| A042020 | KRASNOYARSK | 383.100 | 383.061 | 0.9999 | 2016 |
| A042030 | KRASNOYARSK | 381.275 | 381.236 | 0.9999 | 2016 |
| A042031 | KRASNOYARSK | 386.125 | 386.086 | 0.9999 | 2016 |
| A042112 | KRASNOYARSK | 385.050 | 385.011 | 0.9999 | 2016 |

|         |             |         |         |        |      |
|---------|-------------|---------|---------|--------|------|
| A042130 | KRASNOYARSK | 384.825 | 384.786 | 0.9999 | 2016 |
| A042132 | KRASNOYARSK | 390.800 | 390.761 | 0.9999 | 2016 |
| A042504 | KRASNOYARSK | 393.825 | 393.785 | 0.9999 | 2016 |
| A042505 | KRASNOYARSK | 399.375 | 399.335 | 0.9999 | 2016 |
| A042508 | KRASNOYARSK | 399.525 | 399.485 | 0.9999 | 2016 |
| A042510 | KRASNOYARSK | 390.100 | 390.061 | 0.9999 | 2016 |
| M010532 | KRASNOYARSK | 411.900 | 411.858 | 0.9999 | 2017 |

|                                 |  |               |               |  |  |
|---------------------------------|--|---------------|---------------|--|--|
| Total Allocated Bar Count: 3838 |  | 1,552,099.875 | 1,549,670.059 |  |  |
|---------------------------------|--|---------------|---------------|--|--|

End of Gold Stock List As Of C.O.B 28-Apr-2020