



## Client Gold Stock Holdings

HBEU

Client Account Name: **AMUNDI PHYSICAL METALS PLC**  
Gold Allocated A/C Holdings As Of C.O.B: **09 January 2020**  
Total Allocated Bar Count: **1793**  
Total Allocated Gross Weight: **726,299.525**  
Total Allocated Fine Weight: **725,257.632**

BAR NUMBER	REFINER LONG NAME	BAR GROSS WEIGHT	BAR FINE WEIGHT	BAR ASSAY	YEAR
003321	ASAHI REF CANADA LTD	411.075	410.170	0.9978	2015
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
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
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
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
034409	ASAHI REF CANADA LTD	397.800	397.760	0.9999	2017
034410	ASAHI REF CANADA LTD	419.725	419.683	0.9999	2017
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
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
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
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 INC USA	406.050	404.872	0.9971	2019
045254	ASAHI REF INC USA	388.325	387.198	0.9971	2019
045255	ASAHI REF INC USA	399.225	398.067	0.9971	2019
045256	ASAHI REF INC USA	425.775	424.540	0.9971	2019
045257	ASAHI REF INC USA	397.875	396.721	0.9971	2019
045259	ASAHI REF INC USA	408.175	406.991	0.9971	2019
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
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
051231	ASAHI REF INC USA	406.650	405.674	0.9976	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
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
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
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
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
062117	ASAHI REF CANADA LTD	416.975	415.682	0.9969	2018
062118	ASAHI REF CANADA LTD	420.775	419.470	0.9969	2018
062119	ASAHI REF CANADA LTD	412.100	410.822	0.9969	2018
062120	ASAHI REF CANADA LTD	411.800	410.523	0.9969	2018
062121	ASAHI REF CANADA LTD	410.150	408.878	0.9969	2018
062122	ASAHI REF CANADA LTD	415.875	414.918	0.9977	2018
062123	ASAHI REF CANADA LTD	419.500	418.535	0.9977	2018
062124	ASAHI REF CANADA LTD	419.450	418.485	0.9977	2018
062125	ASAHI REF CANADA LTD	416.175	415.217	0.9977	2018
062126	ASAHI REF CANADA LTD	413.525	412.573	0.9977	2018
062127	ASAHI REF CANADA LTD	401.200	400.277	0.9977	2018
062128	ASAHI REF CANADA LTD	404.650	403.921	0.9982	2018
062129	ASAHI REF CANADA LTD	411.050	410.310	0.9982	2018
062130	ASAHI REF CANADA LTD	425.175	424.409	0.9982	2018
062131	ASAHI REF CANADA LTD	412.625	411.882	0.9982	2018
062132	ASAHI REF CANADA LTD	409.300	408.563	0.9982	2018
062133	ASAHI REF CANADA LTD	418.675	417.921	0.9982	2018
062134	ASAHI REF CANADA LTD	411.600	411.517	0.9998	2018
062135	ASAHI REF CANADA LTD	401.900	401.819	0.9998	2018
062136	ASAHI REF CANADA LTD	412.600	412.517	0.9998	2018
062137	ASAHI REF CANADA LTD	418.475	418.391	0.9998	2018
062138	ASAHI REF CANADA LTD	410.100	410.018	0.9998	2018
062139	ASAHI REF CANADA LTD	407.025	406.943	0.9998	2018
062140	ASAHI REF CANADA LTD	406.925	406.843	0.9998	2018
062141	ASAHI REF CANADA LTD	417.525	417.441	0.9998	2018
062142	ASAHI REF CANADA LTD	411.425	411.342	0.9998	2018
062143	ASAHI REF CANADA LTD	404.175	404.094	0.9998	2018
062144	ASAHI REF CANADA LTD	420.400	420.316	0.9998	2018
062145	ASAHI REF CANADA LTD	416.300	416.216	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
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
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
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
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
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
16914	AURUBIS AG	388.175	388.136	0.9999	2017
1700317	METALOR USA REFINING CORP	400.075	400.035	0.9999	2017
1700318	METALOR USA REFINING CORP	400.075	400.035	0.9999	2017
1700319	METALOR USA REFINING CORP	400.075	400.035	0.9999	2017
1700320	METALOR USA REFINING CORP	400.075	400.035	0.9999	2017
1700321	METALOR USA REFINING CORP	400.075	400.035	0.9999	2017
1700322	METALOR USA REFINING CORP	400.075	400.035	0.9999	2017
1700323	METALOR USA REFINING CORP	400.075	400.035	0.9999	2017
1700324	METALOR USA REFINING CORP	400.075	400.035	0.9999	2017
1700325	METALOR USA REFINING CORP	400.075	400.035	0.9999	2017
1700326	METALOR USA REFINING CORP	400.075	400.035	0.9999	2017
1700327	METALOR USA REFINING CORP	400.075	400.035	0.9999	2017

1700328	METALOR USA REFINING CORP	400.075	400.035	0.9999	2017
1700329	METALOR USA REFINING CORP	400.075	400.035	0.9999	2017
1700330	METALOR USA REFINING CORP	400.075	400.035	0.9999	2017
1700331	METALOR USA REFINING CORP	400.075	400.035	0.9999	2017
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
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
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
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
27254	ASAHI REF CANADA LTD	411.400	410.330	0.9974	2016
27255	ASAHI REF CANADA LTD	410.300	409.233	0.9974	2016
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	SEMPSA JOYERIA PLATERIA	398.950	398.870	0.9998	2019
33193	SEMPSA JOYERIA PLATERIA	388.925	388.847	0.9998	2019
33194	SEMPSA JOYERIA PLATERIA	401.000	400.919	0.9998	2019
33195	SEMPSA JOYERIA PLATERIA	398.600	398.520	0.9998	2019
33196	SEMPSA JOYERIA PLATERIA	412.875	412.751	0.9997	2019
33197	SEMPSA JOYERIA PLATERIA	420.500	420.373	0.9997	2019
33198	SEMPSA JOYERIA PLATERIA	422.225	422.098	0.9997	2019
33199	SEMPSA JOYERIA PLATERIA	412.375	412.251	0.9997	2019
33200	SEMPSA JOYERIA PLATERIA	429.400	429.228	0.9996	2019
33201	SEMPSA JOYERIA PLATERIA	416.400	416.233	0.9996	2019
34287	SEMPSA JOYERIA PLATERIA	406.400	406.318	0.9998	62019
34288	SEMPSA JOYERIA PLATERIA	411.450	411.367	0.9998	62019
34291	SEMPSA JOYERIA PLATERIA	409.700	409.618	0.9998	62019
34292	SEMPSA JOYERIA PLATERIA	397.825	397.745	0.9998	62019
34296	SEMPSA JOYERIA PLATERIA	413.625	413.418	0.9995	62019
34297	SEMPSA JOYERIA PLATERIA	405.550	405.347	0.9995	62019
34308	SEMPSA JOYERIA PLATERIA	405.725	405.562	0.9996	62019
34309	SEMPSA JOYERIA PLATERIA	410.075	409.911	0.9996	62019
34310	SEMPSA JOYERIA PLATERIA	382.825	382.710	0.9997	62019
34311	SEMPSA JOYERIA PLATERIA	396.125	396.006	0.9997	62019
34312	SEMPSA JOYERIA PLATERIA	402.575	402.454	0.9997	62019
34313	SEMPSA JOYERIA PLATERIA	412.025	411.901	0.9997	62019
34314	SEMPSA JOYERIA PLATERIA	402.525	402.404	0.9997	62019
34315	SEMPSA JOYERIA PLATERIA	396.525	396.406	0.9997	62019
34316	SEMPSA JOYERIA PLATERIA	403.150	403.029	0.9997	62019
34317	SEMPSA JOYERIA PLATERIA	396.275	396.156	0.9997	62019
34319	SEMPSA JOYERIA PLATERIA	411.125	410.755	0.9991	62019
34320	SEMPSA JOYERIA PLATERIA	406.175	405.809	0.9991	62019
34321	SEMPSA JOYERIA PLATERIA	405.225	405.063	0.9996	62019
34322	SEMPSA JOYERIA PLATERIA	398.550	398.390	0.9996	62019
34323	SEMPSA JOYERIA PLATERIA	408.475	408.352	0.9997	62019
34324	SEMPSA JOYERIA PLATERIA	407.675	407.552	0.9997	62019
34332	SEMPSA JOYERIA PLATERIA	391.400	391.282	0.9997	62019
34333	SEMPSA JOYERIA PLATERIA	405.725	405.603	0.9997	62019
34334	SEMPSA JOYERIA PLATERIA	411.800	411.676	0.9997	62019
34335	SEMPSA JOYERIA PLATERIA	412.250	412.126	0.9997	62019
34336	SEMPSA JOYERIA PLATERIA	398.700	398.580	0.9997	62019
34337	SEMPSA 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	SEMPA JOYERIA PLATERIA	413.675	413.592	0.9998	92019
35196	SEMPA JOYERIA PLATERIA	423.000	422.915	0.9998	92019
35213	SEMPA JOYERIA PLATERIA	414.100	414.017	0.9998	92019
35214	SEMPA JOYERIA PLATERIA	405.900	405.818	0.9998	92019
35220	SEMPA JOYERIA PLATERIA	409.650	409.568	0.9998	92019
35221	SEMPA JOYERIA PLATERIA	397.050	396.970	0.9998	92019
35222	SEMPA JOYERIA PLATERIA	396.900	396.820	0.9998	92019
35223	SEMPA JOYERIA PLATERIA	428.000	427.914	0.9998	92019
35225	SEMPA JOYERIA PLATERIA	422.850	422.765	0.9998	92019
35226	SEMPA JOYERIA PLATERIA	424.125	424.040	0.9998	92019
35473	SEMPA JOYERIA PLATERIA	403.950	403.828	0.9997	102019
35474	SEMPA JOYERIA PLATERIA	407.550	407.427	0.9997	102019
35475	SEMPA JOYERIA PLATERIA	409.050	408.927	0.9997	102019
35476	SEMPA JOYERIA PLATERIA	405.525	405.403	0.9997	102019
35487	SEMPA JOYERIA PLATERIA	404.750	404.669	0.9998	102019
35488	SEMPA JOYERIA PLATERIA	405.900	405.818	0.9998	102019
35509	SEMPA JOYERIA PLATERIA	409.075	408.788	0.9993	102019
35510	SEMPA JOYERIA PLATERIA	421.675	421.379	0.9993	102019
35514	SEMPA JOYERIA PLATERIA	426.400	426.272	0.9997	102019
35515	SEMPA JOYERIA PLATERIA	426.150	426.022	0.9997	102019
35516	SEMPA JOYERIA PLATERIA	407.825	407.702	0.9997	102019
35517	SEMPA JOYERIA PLATERIA	416.450	416.325	0.9997	102019
4400001	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400002	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400003	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4400004	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400005	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400006	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400007	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400008	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400009	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400010	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4400011	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400012	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400013	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400014	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400015	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400016	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400017	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4400018	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400019	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4400020	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4400021	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400022	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400023	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400024	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400025	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400026	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400027	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400028	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019





5000342	METALOR USA REFINING CORP	400.100	400.020	0.9998	2019
5000343	METALOR USA REFINING CORP	400.100	400.020	0.9998	2019
5000344	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
5000345	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
5000346	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
5000347	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
5000348	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
5000349	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
5000350	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
5000351	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
5000352	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
5000353	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
5000354	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
5000355	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
5000356	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
5000357	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
5000358	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
5000359	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
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
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
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
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
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
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
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
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
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

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**Total Allocated Bar Count: 1793**

**726,299.525**

**725,257.632**

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End of Gold Stock List As Of C.O.B 09-Jan-2020