



Client Gold Stock Holdings

HBEU

Client Account Name: AMUNDI PHYSICAL METALS PLC
Gold Allocated A/C Holdings As Of C.O.B: 31 October 2019
Total Allocated Bar Count: 1093
Total Allocated Gross Weight: 442,050.150
Total Allocated Fine Weight: 441,561.165

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
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
039643	ASAHI REF CANADA LTD	428.125	428.082	0.9999	2017
039644	ASAHI REF CANADA LTD	419.125	419.083	0.9999	2017
039645	ASAHI REF CANADA LTD	422.900	422.857	0.9999	2017
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
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
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
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
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
076409	ASAHI REF CANADA LTD	409.125	409.002	0.9997	2019
076410	ASAHI REF CANADA LTD	402.975	402.854	0.9997	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
107	CCR REFINERY-GLENCORE CAN	402.800	402.759	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
207911	JOHNSON MATTHEY BRAMPTON	421.550	420.074	0.9965	2012
207912	JOHNSON MATTHEY BRAMPTON	412.700	411.173	0.9963	2012
207913	JOHNSON MATTHEY BRAMPTON	415.825	414.286	0.9963	2012
207914	JOHNSON MATTHEY BRAMPTON	391.425	389.976	0.9963	2012
207915	JOHNSON MATTHEY BRAMPTON	409.925	408.408	0.9963	2012
207916	JOHNSON MATTHEY BRAMPTON	414.500	412.925	0.9962	2012
207917	JOHNSON MATTHEY BRAMPTON	410.425	408.865	0.9962	2012
207918	JOHNSON MATTHEY BRAMPTON	398.325	396.811	0.9962	2012
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
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
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
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
33019	SEMPSA JOYERIA PLATERIA	405.425	405.344	0.9998	2019
33020	SEMPSA JOYERIA PLATERIA	382.175	382.060	0.9997	2019
33021	SEMPSA JOYERIA PLATERIA	399.875	399.755	0.9997	2019
33022	SEMPSA JOYERIA PLATERIA	405.475	405.353	0.9997	2019
33024	SEMPSA JOYERIA PLATERIA	404.150	404.028	0.9997	2019
33025	SEMPSA JOYERIA PLATERIA	400.225	400.105	0.9997	2019
33026	SEMPSA JOYERIA PLATERIA	406.600	406.518	0.9998	2019
33027	SEMPSA JOYERIA PLATERIA	406.500	406.418	0.9998	2019
33028	SEMPSA JOYERIA PLATERIA	405.225	405.022	0.9995	2019
33029	SEMPSA JOYERIA PLATERIA	377.175	377.024	0.9996	2019
33035	SEMPSA JOYERIA PLATERIA	409.500	409.295	0.9995	2019
33036	SEMPSA JOYERIA PLATERIA	402.900	402.738	0.9996	2019
33037	SEMPSA JOYERIA PLATERIA	406.175	405.931	0.9994	2019
33038	SEMPSA JOYERIA PLATERIA	402.900	402.618	0.9993	2019
33040	SEMPSA JOYERIA PLATERIA	397.250	397.011	0.9994	2019
33041	SEMPSA JOYERIA PLATERIA	394.425	394.149	0.9993	2019
33042	SEMPSA JOYERIA PLATERIA	400.625	400.424	0.9995	2019
33043	SEMPSA JOYERIA PLATERIA	397.875	397.636	0.9994	2019
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
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

4400029	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400030	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4400031	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400032	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4400033	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4400034	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4400035	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4400036	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400037	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400038	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400039	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400040	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4400041	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4500051	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4500052	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4500053	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4500054	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4500055	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4500056	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4500057	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4500058	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4500059	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4500060	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4500061	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4500062	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4500063	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4500064	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4500065	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4500066	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4500067	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4500068	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4500069	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4500070	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4500071	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4500072	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4500073	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4500074	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4500075	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4500076	METALOR USA REFINING CORP	400.100	400.060	0.9999	2019
4500077	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4500078	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4500079	METALOR USA REFINING CORP	400.075	400.035	0.9999	2019
4500080	METALOR USA REFINING CORP	400.075	400.035	0.9999	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
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
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
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

Total Allocated Bar Count: 1093		442,050.150	441,561.165		
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End of Gold Stock List As Of C.O.B 31-Oct-2019