

# Cameco Australia Pty. Ltd.

## Beatrice EL 24291 - Sample ASD TSA Minerals

### Beatrice EL 26796

Sample Number	EL	Lithology	Formation	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Signal to Noise
C010001	EL24291	Quartz breccia + granitoid	Pxn	Illite	1	NULL	NULL	193.34	859.96
C010002	EL24291	Chlorite rock - granite	Pxn	IntChlorite	0.835	Halloysite	0.165	52.252	816.49
C010004	EL24291	Chloritised and hematized granitoid	Pxn	IntChlorite	0.762	Muscovite	0.238	52.417	699.46
C010005	EL24291	Foliated granite	Pxn	Illite	1	NULL	NULL	117.44	951.5
C010006	EL24291	Coarse-grained sandstone	Phe	Muscovite	0.72	Halloysite	0.28	202.4	1313.64
C010007	EL24291	Coarse-grained sandstone	Phe	Kaolinite	1	NULL	NULL	405.9	1257.68
C010008	EL24291	Silicified hematized sandstone	Phe	Aspectral	NULL	NULL	NULL	5000	1212.27
C010009	EL24291	Fine-grained hematized sandstone	Phe	Aspectral	NULL	NULL	NULL	5000	1171.44
C010012	EL26796	Coarse-grained sandstone	Phe	Kaolinite	1	NULL	NULL	197.32	1169
C010013	EL26797	Coarse-grained sandstone	Phe	Kaolinite	1	NULL	NULL	444.5	1468.66
C010014	EL26798	Coarse-grained sandstone	Phe	Kaolinite	1	NULL	NULL	176.98	1470.56
C010015	EL26799	Black soil	Cz	Opal	1	NULL	NULL	257.16	1277.9
C010016	EL26800	Hematized sandstone	Phe	Kaolinite	1	NULL	NULL	167.15	1297.62
C010017	EL26801	Black soil	Cz	FeTourmaline	1	NULL	NULL	243.82	1654.99
C010018	EL26802	Pebbly sandstone	Phe	FeTourmaline	0.687	Magnesite	0.313	133.56	1857.96
C010019	EL24291	Hematized sandstone (float)	Phe	Kaolinite	1	NULL	NULL	245.22	1378.18
C010020	EL24291	Sandstone, drusy quartz	Phe	Kaolinite	1	NULL	NULL	135.29	940.53
C010021	EL24291	Weathered dolerite	Pdo	Halloysite	1	NULL	NULL	205.09	1611.83
C010022	EL24291	Coarse-grained sandstone	Phe	Kaolinite	1	NULL	NULL	300.43	1080.25
C010023	EL24291	Medium-grained sandstone	Phe	Kaolinite	1	NULL	NULL	490.55	1601.22
C010024	EL24291	Sandstone	Phe	Kaolinite	1	NULL	NULL	231.83	1154.8
C010026	EL24291	Hematized sandstone	Phe	Aspectral	NULL	NULL	NULL	5000	1245.19
C010027	EL24291	Sandstone	Phe	Aspectral	NULL	NULL	NULL	5000	1601.14
C010028	EL24291	Dolerite	Pdo	Aspectral	NULL	NULL	NULL	5000	435.22
C010029	EL24291	Granite	Pxn	Muscovite	0.569	Prehnite	0.431	403.29	739.32
C010030	EL24291	Coarse-grained sandstone	Phe1	Illite	1	NULL	NULL	330.1	1185.53
C010031	EL24291	Sandstone rubble	Phe	Kaolinite	1	NULL	NULL	246.65	1414.8
C010032	EL24291	Sandstone	Phe	Kaolinite	1	NULL	NULL	461.81	1709.54
C010034	EL24291	Fine-grained sandstone	Phe	Illite	0.704	Halloysite	0.296	149.7	1488.72
C010035	EL24291	Weakly brecciated sandstone	Phe	Halloysite	1	NULL	NULL	2140.36	1618.72
C010036	EL24291	Hematized granite? - float	Pxn	Illite	1	NULL	NULL	229.63	1332.07
C010037	EL24291	Coarse-grained granite? - float	Pxn	Illite	1	NULL	NULL	114.04	1350.97
C010038	EL24291	Coarse-grained sandstone	Phe1	Kaolinite	0.515	Illite	0.485	270.11	1316.79
C010039	EL24291	Coarse-grained granite	Pxn	Muscovite	0.697	Prehnite	0.303	201.64	667.96
C010040	EL24291	Altered granitoid gneiss	Pxn	Illite	0.686	MgChlorite	0.314	80.758	914.21
C010041	EL24291	Hematized sandstone - float	Phe	Halloysite	1	NULL	NULL	365.3	1115.88

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C010042	EL24291	Sandstone - float boulder	Phe	Illite	1	NULL	NULL	341.66	1472.8
C010043	EL24291	Extremely weathered granite	Pxn	Illite	1	NULL	NULL	117.19	1233.14
C010044	EL24291	Silicified sandstone	Phe2	Illite	1	NULL	NULL	528.34	1487.52
C010047	EL24291	Pebbly sandstone	Phe	Illite	1	NULL	NULL	287.17	1127.35
C010201	EL24291	Granite + QZBX - subcrop	Pxn	Illite	1	NULL	NULL	174.54	624.52
C010202	EL24291	Quartz Breccia - subcrop	Pxn	Illite	1	NULL	NULL	885.96	1110.21
C010203	EL24291	Quartz Breccia and quartz vein	Pxn	Illite	1	NULL	NULL	322.67	1511.48
C010204	EL24291	QZBX +Quartz-veined Granite - float	Pxn	Illite	1	NULL	NULL	138.36	1308.18
C010205	EL24291	Quartz Breccia	Pxn	Illite	1	NULL	NULL	997.53	1073.46
C010206	EL24291	Weathered Granite	Pxn	Illite	1	NULL	NULL	111.65	988
C010207	EL24291	Granite + quartz breccia	Pxn	Illite	1	NULL	NULL	104.07	945.48
C010208	EL24291	Granite + QZBX - subcrop	Pxn	IntChlorite	0.645	Halloysite	0.355	100.79	881.94
C010209	EL24291	Gneiss - subcrop	Pxn	MgChlorite	0.622	Muscovite	0.378	269.88	534.07
C010210	EL24291	Micaceous Granite	Pxn	Muscovite	0.563	Halloysite	0.437	409.99	1141.48
C010211	EL24291	Heamatised granite	Pxn	Muscovite	0.635	Halloysite	0.365	164.42	1172.65
C010212	EL24291	Hematized granite - float	Pxn	Illite	0.562	MgChlorite	0.438	105.39	805.18
C010213	EL24291	Chloritised micaceous Granite	Pxn	MgChlorite	0.586	Illite	0.414	87.395	930.2
C010214	EL24291	Hematized QZVN + granite	Pxn	Illite	1	NULL	NULL	144.15	1441.06
C010215	EL24291	Hematized granite	Pxn	Illite	1	NULL	NULL	258.99	1095.31
C010217	EL24291	Weakly foliated granite	Pxn	FeChlorite	0.791	Prehnite	0.209	107.87	685.24
C010218	EL24291	Granite - subcrop	Pxn	Illite	0.639	Prehnite	0.361	173.38	554.46
C010219	EL24291	Hematized granite	Pxn	Illite	1	NULL	NULL	139.2	1249.72
C010220	EL24291	Granite	Pxn	Illite	1	NULL	NULL	357.47	874.58
C010221	EL24291	Gneiss - subcrop	Pxn	Illite	1	NULL	NULL	214.44	1239.15
C010222	EL24291	Sandstone - float	Phe	Illite	1	NULL	NULL	935.92	1474.94
C010223	EL24291	Quartz-veined granite	Pxn	IntChlorite	0.686	Illite	0.314	67.021	946.24
C010224	EL24291	Granite - subcrop	Pxn	Illite	1	NULL	NULL	382.52	686.72
C010225	EL24291	Hematized Granite - subcrop	Pxn	Illite	0.543	MgChlorite	0.457	218.02	946.66
C010227	EL24291	Hematized granite - subcrop	Pxn	IntChlorite	1	NULL	NULL	48.883	778.6
C010228	EL24291	Quartz vein + granite - subcrop	Pxn	Illite	1	NULL	NULL	634.9	1464.16
C010229	EL24291	Granite	Pxn	Illite	0.502	MgChlorite	0.498	122.53	1190.42
C010231	EL24291	Granite	Pxn	Illite	1	NULL	NULL	95.111	1210.36
C010230	EL24291	Granitoid - subcrop	Pxn	Siderite	0.594	Muscovite	0.406	187.11	1029.36
C010232	EL24291	Hematized granite - subcrop	Pxn	Muscovite	0.708	Halloysite	0.292	207.13	1162.34
C010233	EL24291	Quartz breccia + granite	Pxn	Illite	1	NULL	NULL	168.7	1277.55
C010234	EL24291	Chloritised granite	Pxn	IntChlorite	0.635	Illite	0.365	80.735	857.56
C010235	EL24291	Chloritised granite	Pxn	IntChlorite	0.609	Muscovite	0.391	53.508	890.92

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C010241	EL24291	Fine-grained sandstone	Phe	Muscovite	1	NULL	NULL	544.22	1530.61
C010236	EL24291	Sandstone - float	Phe1	IntChlorite	0.581	Muscovite	0.419	101.76	983.92
C010237	EL24291	Biotite-rich Granite	Pxn	Muscovite	1	NULL	NULL	120.18	1151.02
C010238	EL24291	Quartz-veined granite	Pxn	IntChlorite	0.563	Muscovite	0.437	65.848	942.54
C010239	EL24291	Granite - float	Pxn	Muscovite	0.58	Siderite	0.42	109.1	1441.22
C010242	EL24291	Fine-grained hematized sandstone	Phe	Muscovite	0.67	Halloysite	0.33	251.41	1506.15
C010243	EL24291	Fine-grained silicified sandstone	Phe	Illite	1	NULL	NULL	280.51	1707.82
C010246	EL24291	Sandstone	Phe	Illite	1	NULL	NULL	199.7	1462.76
C010247	EL24291	Hematized sandstone	Phe	Muscovite	1	NULL	NULL	170.49	1807.83
C010248	EL24291	Hematized sandstone	Phe	Halloysite	1	NULL	NULL	357.66	1697.96
C010251	EL24291	Sandstone	Phe	Kaolinite	1	NULL	NULL	287.34	1483.64
C010252	EL24291	Silicified sandstone	Phe	Muscovite	1	NULL	NULL	326.72	1563.96
C010253	EL24291	Silicified sandstone	Phe	Illite	1	NULL	NULL	866.81	1633.68
C010254	EL24291	Sandstone	Phe	Muscovite	0.638	Halloysite	0.362	358.34	1827.45
C010255	EL24291	Silicified sandstone	Phe	Halloysite	1	NULL	NULL	1076.53	1929.46
C010256	EL24291	Sandstone - weakly brecciated	Phe	Muscovite	0.706	Halloysite	0.294	224.8	1493
C010257	EL24291	Silicified sandstone	Phe	Halloysite	1	NULL	NULL	464.04	1885.26
C010259	EL24291	Brecciated sandstone - U 2ndary	Phe	Illite	0.752	Halloysite	0.248	158.28	1136.65
C010261	EL24291	Sandstone	Phe	Halloysite	1	NULL	NULL	309.92	1519.19
C010262	EL24291	Hematized sandstone	Phe	Muscovite	0.525	Kaolinite	0.475	279.1	1503.23
C010263	EL24291	Sandstone	Phe	Halloysite	1	NULL	NULL	373.36	1624.54