

Cameco Australia Pty. Ltd.

Myra Kukalak Outcrop Samples - PIMA Analysis: TSG (The Spectral Assistant)

Sample	TSA Error	Crystallinity		Kandite Group			Sericite Group				Chlorite Group		Others											
		KaoL_XT	AlOH_XT	Kaolinite	Dickite	Halloysite	Muscovite	Illite	Phengite	Paragonite	IntChlorite	MgChlorite	Gypsum	Palygorskite	Nacrite	K_Alunite	Ankerite	Phlogopite2	Montmorillonite	Jarosite	Epidote	Topaz	Actinolite	Gibbsite
KL01C10001	299.614	1.006	0.41					72.9%					27.1%											
KL01C10002	210.545	0.999	0.559					79.2%					20.8%											
KL01W10002	210.545	0.999	0.559					79.2%					20.8%											
KL01C10003	341.509	0.998	0.435				75.3%						24.7%											
KL01C20003	206.611	1.006	0.854	57.8%				42.2%																
KL01C10006	17.208	1	0.533				100.0%																	
KL01C10007		1.012	0.687																					
KL01C10008	91.049	1.041	2.307	100.0%																				
KL01C10009	335.472	0.999	0.451					83.4%					16.6%											
KL01C10010	66.145	1.036	2.939	66.4%			33.6%																	
KL01C10011	122.223	1.023	1.639	59.9%			40.1%																	
KL01C10012	424.963	1.005	0.436					77.2%					22.8%											
KL01C10013	191.258	1.029	1.37	100.0%																				
KL01C10014	133.057	1.022	1.245	29.2%				70.8%																
KL01C10015	52.617	1.024	1.842	62.0%				38.0%																
KL01C10016	270.061	1.001																		40.9%				59.1%
KL01C10017	81.993	1.004	0.428	75.3%									24.7%											
KL01C10018	141.94	1.029	1.446	100.0%																				
KL01C10019	496.847	1.015	0.694	78.2%																				21.8%
KL01C10020	144.329	1.027	1.171	100.0%																				
KL01C10021	85.128	1.037	2.368	100.0%																				
KL01C10022	442.339	1.001	0.506					77.5%					22.5%											
KL01C10023	444.498	1.003	0.583			70.6%							29.4%											
KL01C10024	155.866	0.972	2.079					100.0%																
KL01C10200		1.003	0.146																					
KL01C10201		0.997	0.247																					
KL01C10202		1.002	0.13																					
KL01C10203	221.592	1.001	0.609					86.1%					13.9%											
KL01C10204		1	0.504																					
KL01C10205	197.458	1.009	1.628	100.0%																				
KL01C10206	202.781	1.02	1.954	100.0%																				
KL01C10209	399.426	1.002	0.59					81.7%					18.3%											
KL01C10210	160.351	1.004	1.513					100.0%																
KL01C10211	72.486	1.013	1.6	100.0%																				
KL01C10212		0.995	0.603																					
KL01C10213	169.295	0.998	1.138	64.1%						35.9%														
KL01C10214	173.116	1.003	1.363	43.3%			56.7%																	
KL01C10215	500.727	1.005	0.411					74.3%					25.7%											
KL01C10216	564.959	1	0.294					70.2%					29.8%											
KL01C10217	79.89	1.009									79.8%							20.2%						
KL01C10220		1.006	0.553																					
KL01C10222	408.774	1	0.72	92.5%																		7.5%		
KL01C10223	125.474	1.028	2.007	100.0%																				
KL01C10224	53.261	0.99	3.813				47.2%			52.8%														
KL01C10225	31.414	1.003	0.533					73.6%					26.4%											
KL01C10226	41.079	1.002	1.753					100.0%																
KL01C10228	185.496	1.037	1.23	100.0%																				
KL01C10229	144.311	1.031	1.594	100.0%																				

Sample	TSA Error	Crystallinity		Kandite Group			Sericite Group				Chlorite Group		Others											
		KaoL_XT	AlOH_XT	Kaolinite	Dickite	Halloysite	Muscovite	Illite	Phengite	Paragonite	IntChlorite	MgChlorite	Gypsum	Palygorskite	Nacrite	K_Alunite	Ankerite	Phlogopite2	Montmorillonite	Jarosite	Epidote	Topaz	Actinolite	Gibbsite
KL01C10230		1.006	0.542																					
KL01C10231	192.839	1	0.327					30.2%				69.8%												
KL01C10232	145.573	1.008	1.114					100.0%																
KL01C10233	131.736	1.002	0.952					100.0%																
KL01C10234	42.679	1	2.418					100.0%																
KL01C10235		1.008	0.231																					
KL01C10236	227.424	1.03	0.433					31.0%				69.0%												
KL01C10238		1.006	0.469																					
KL01C10239	236.782	1.013	1.121	100.0%																				
KL01C10240	231.359	1.005	1.399	100.0%																				
KL01C10241	215.135	1.024	1.173	100.0%																				
KL01C10242	188.98	1.012	1.127	89.7%									10.3%											
KL01C10243	181.248	0.998	0.805					100.0%																
KL01C10250	213.495	1.014	0.727	30.5%			69.5%																	
KL01C10251	180.319	1.001	0.578					84.7%					15.3%											
KL01C10252	332.671	1.002	0.647				85.3%						14.7%											
KL01C10253	119.074	0.993	0.33										100.0%											
KL01C10254	88.232	0.963	1.04					100.0%																
KL02C10001	26.55	0.768	3.333		71.6%			28.4%																
KL02C10002	99.032	1.033	1.79	77.9%						22.1%														
KL02C10004		1	0.304																					
KL02C10005	102.573	0.964	1.768		100.0%																			
KL02C10006	277.272	1.006	0.225					55.9%					44.1%											
KL02C10007	191.405	0.999	0.786					100.0%																
KL02C10008	73.871	1.013	1.606	47.1%				52.9%																
KL02C10009	70.342	1.058	2.193	100.0%																				
KL02C10010	289.377	1.005	0.374			24.0%					76.0%													
KL02C10011		0.996	0.146																					
KL02C10012	251.688	1.013	0.643	84.1%									15.9%											
KL02C10013	464.753	0.993	0.207			22.4%					77.6%													
KL02C10014	136.327	1.024	1.057	100.0%																				
KL02C10015	90.186	1.032	2.366	100.0%																				
KL02C10016		0.999	0.295																					
KL02C10017	260.253	1.008	0.429	46.9%				53.1%																
KL02C10018	112.928	1.002	1.188					100.0%																
KL02C10019	30.34	0.87	1.744					64.0%		36.0%														
KL02C10021		1.003	0.19																					
KL02C10023	90.254	0.968						35.8%				64.2%												
KL02C10024	190.58	1.01	1.118	48.1%				51.9%																
KL02C10025	298.478	1.022	0.356					52.0%			48.0%													
KL02C10026		1.004	0.241																					
KL02C10027	97.19	1.039	1.167	100.0%																				
KL02C10028		1.008	0.28																					
KL02C10200		0.993																						
KL02C10201	350.9	0.993	0.3										36.1%		63.9%									
KL02C10202	72.665	1.062	2.341	100.0%																				
KL02C10203	19.811	1.035	2.504	74.9%						25.1%														
KL02C10204	198.161	1.018	0.851	88.5%									11.5%											
KL02C10205	548.881	0.989	0.358					74.1%													25.9%			
KL02C10206	380.27	1.009	0.622	84.4%									15.6%											
KL02C10207	93.008	0.918	0.621		33.8%																			

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KL02C10208		1.006	0.177																					
KL02C10209	339.15	1	0.43					80.8%					19.2%											
KL02C10210	136.286	1	0.848					84.4%					15.6%											
KL02C10211	45.506	1.06	2.79	100.0%																				
KL02C10212	51.88	1.076	3.174	100.0%																				
KL02C20212	41.761	1.066	2.615	100.0%																				
KL02C10214	108.936	1.011	1.385	100.0%																				
KL02C10215		1.011	0.127																					
KL02C20215	39.021	1.009	1.035					42.3%			57.7%													
KL02C10216	118.393	1.021	2.058	100.0%																				
KL02C10217	36.179	1.075	3.997	100.0%																				
KL02C10218	247.923	1.019	1.202	90.5%																	9.5%			
KL02C10219	113.79	1.038	2.765	100.0%																				
KL02C10221	51.687	1.047	2.561	100.0%																				
KL02C10221	51.687	1.047	2.561	100.0%																				
KL02C10222	116.577	1.056	0.74	100.0%																				
KL02C10223	102.963	1.04	1.246	100.0%																				
KL02C10224	45.148	1.098	3.031	100.0%																				
KL02C20224	55.139	1.106	2.359	100.0%																				
KL02C10225	227.493	1.011	1.265	85.2%																				14.8%
KL02C10226	261.287	1.001	1.076	55.5%			44.5%																	
KL02C10227	379.578	1.014	0.583	69.8%			30.2%																	
KL02C10228	193.33	1	0.763					100.0%																
KL02C10229	163.508	1.006	0.966	46.3%				53.7%																
KL02C10230	99.379	0.985	1.653					100.0%																
KL02C10231	20.407	1.009	0.696	100.0%																				
KL02C10233	85.148	0.985	1.138				48.1%			51.9%														
KL02C10234	211.114	1.002	0.797					100.0%																
KL02C10235	194.592	0.972	0.701					100.0%																
KL02C10239	12.96	0.949	2.567					66.7%		33.3%														
KL02C10240	80.607	1.042	2.19	100.0%																				
KL02C10241	248.117	0.998	0.889					69.6%								30.4%								
KL02C10242	442.883	1.006	0.668	84.8%									15.2%											
KL02C10244	566.387	1.006	0.423	79.1%				20.9%																
MR01C10200	63.611	1	0.549					100.0%																
MR01C10202	146.333	1.005	1.234	54.8%			45.2%																	
MR01C10203	67.542	0.996	0.447							100.0%														
MR01C10204	77.036	1.006	1.687				51.5%			48.5%														
MR01C10205	63.346	1.039	3.341	79.8%			20.2%																	
MR01C10206		1.002	0.51																					
MR01C10207		1.01	0.441																					
MR01C10208		1.01	0.713																					
MR01C10209		1.006	0.261																					
MR01C10210	336.368	0.998	0.505					77.9%					22.1%											
MR01C10211	81.078	1.001	0.258										100.0%											
MR01C10212	147.095	1	1.368				43.2%			56.8%														
MR01C10213	52.306	1.007	1.012							100.0%														
MR01C10214	42.056	0.99	2.032	22.8%				77.2%																
MR01C10216	238.671	1.001	0.176										100.0%											
MR01C10218	22.264	0.998	0.509													100.0%								
MR01C10219	60.919	1.015	2.005	58.0%				42.0%																

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MR01C10220	53.185	1.011	0.34										100.0%											
MR01C10221	353.563	0.996	0.503					80.2%					19.8%											
MR01C10222	126.546	1.016	1.896	31.8%				68.2%																
MR01C10223		0.996	0.401																					
MR01C10227	94.637	1.033	1.124	100.0%																				
MR01C10228	130.546	0.999	1.263				42.3%			57.7%														
MR01C10229		0.992	0.461																					
MR01C10230	90.712	0.996	1.336			30.9%				69.1%														
MR01C10232	212.709	0.999	0.782				100.0%																	
MR02C10002		1.004	0.657																					
MR02C10003	85.306	1.019	1.848	47.0%			53.0%																	
MR02C10004		0.994	0.369																					
MR02C10005	126.336	0.981	3.22							100.0%														
MR02C10006		0.996	0.886																					
MR02C10007	192.861	1.012	0.59				82.3%						17.7%											
MR02C10008	16.708	1.006	0.377										100.0%											
MR02C10009	256.699	1.004	0.441					77.8%					22.2%											
MR02C10010	61.908	1.001	1.555					53.0%		47.0%														
MR02C10013	67.337	0.995	2.131							44.5%													55.5%	
MR02C10014	21.455	0.979	2.882				56.3%			43.7%														
MR02C10030		1.001	0.119																					
MR02C10031	125.26	1.018	0.372			16.9%													83.1%					
MR02C10034	49.608	1.038	1.35				100.0%																	
MR02C10201	94.855	1.007	0.461					100.0%																
MR02C10203	130.701	1.004	1.145	36.7%				63.3%																
MR02C10205		1.002	0.414																					
MR02C20206	66.44	1.015	0.895					67.7%	32.3%															
MR02C10206	42.398	1.01	1.305				55.8%	44.2%																
MR02C10207	102.972	1.011	1.472				43.6%			56.4%														
MR02C10208	160.05	1.002	0.236										100.0%											
MR02C10216	24.055	1.01	1.636	16.3%				83.7%																
MR02C10217	83.405	1.037	3.031	100.0%																				
MR02C10218	75.115	1.046	3.76	100.0%																				
MR02C10219		1.005	0.294																					
MR02C10220	96.588	1.025	2.474	100.0%																				
MR02C20220	69.16	1.018	2.126	100.0%																				
MR02C10221		1.009	0.468																					
MR02C10227		0.999	0.238																					
MR02C10229	287.992	1.006	0.052										37.8%	62.2%										