

Birraduk PIMA Analysis: TSG (Spectral Assistant)

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Hole	Sample	From	To	TSA Error	Crystallinity		Chlorite Group			Kandite Group			Sericite Group			Others								
					Kaol_XT	AlOH_XT	IntChlorite	MgChlorite	FeChlorite	Halloysite	Kaolinite	Dickite	Phengite	Muscovite	Paragonite	Illite	Biotite	Gypsum	Phlog2	Opal	Nacrite	Calcite	Dolomite	Montmorillonite
KUN001	265	242.56	243.96	39.552	1.07	3.163						0.693				0.307								
KUN001	266	243.96	245.36	48.001	1.035	1.864						0.375				0.625								
KUN001	267	245.36	246.76	624.752	1.014	0.537						0.472			0.528									
KUN001	268	246.76	248.16	102.243	1.045	1.876						1												
KUN001	269	248.16	249.56	229.049	1.072	3.33						0.863												
KUN001	270	249.56	250.96	87.712	1.036	1.724						0.595			0.405									
KUN001	271	250.96	251.81	38.832	1.083	3.992						0.762			0.238									
KUN001	272	251.81	252.66	110.847	1.011	1.529										1								
KUN001	273	252.66	253.51	39.823	1.119	3.512						1												
KUN001	274	253.51	254.36	78.219	1.063	1.618						0.514			0.486									
KUN001	275	254.36	255.21	37.28	1.052	2.321						0.263				0.737								
KUN001	276	255.21	256.06	97.461	1.054	1.525						0.48			0.52									
KUN001	277	256.06	256.96	61.366	1.125	2.317						1												
KUN001	278	256.96	257.86	82.295	1.054	1.839						0.447			0.553									
KUN001	279	257.86	258.76	77.228	1.112	1.955						1												
KUN001	280	258.76	259.66	78.745	1.018	1.637						0.594				0.406								
KUN001	281	259.66	260.56	171.723	1.016	1.072					0.244				0.756									
KUN001	282	260.56	261.46	45.967	1.023	1.45						0.225			0.775									
KUN001	283	261.46	262.26	137.887	0.995	1.729						0.326				0.674								
KUN001	284	262.26	263.06	108.748	0.994	1.787										1								
KUN001	285	263.06	263.86	46.791	0.99	1.784										1								
KUN001	286	263.86	264.66	472.478	1.006	0.313										0.703								
KUN001	287	264.66	265.46	79.83	1.037	1.959									1									
KUN001	288	265.46	266.26	54.462	1.002	1.864										1								
KUN001	289	266.26	267.28	143.868	0.986	1.921										1								
KUN001	290	267.28	268.30	209.549	1.022	1.812									1									
KUN001	291	268.30	269.31	209.589	0.978	1.167										1								
KUN001	292	269.31	270.33	65.355	1.002	1.197								0.312		0.688								
KUN001	293	270.33	271.35	176.949	1.011	1.395									1									
KUN001	294	271.35	272.36	71.391	1.018	1.973										1								
KUN001	295	272.36	273.26	60.065	1.062	3.744			0.252						0.748									
KUN001	296	273.26	274.16	30.671	1.04	3.421	0.278								0.722									
KUN001	297	274.16	275.06	80.109	1.005	1.87								0.425		0.575								
KUN001	298	275.06	275.96	79.734	1.067	2.029			0.307						0.693									
KUN001	299	275.96	276.86	275.549	1.061	0.61			0.342						0.658									
KUN001	300	276.86	277.76	82.76	1.045	1.231								0.833										
KUN001	301	277.76	278.63	96.736	0.991	1.062	0.549								0.451									
KUN001	302	278.63	279.50	151.105	1.069	1.934			0.306						0.694									
KUN001	303	279.50	280.36	139.44	1.089	4.009			0.28						0.72									
KUN001	304	280.36	281.23	159.734	0.99	1.865									1									
KUN001	305	281.23	282.10	114.953	1.032	1.095	0.544								0.456									
KUN001	306	282.10	282.96	66.843	1.066	2.343		0.297							0.703									
KUN001	307	282.96	283.88	46.563	1.061	3.045			0.19						0.81									
KUN001	308	283.88	284.80	70.684	1.058	1.483			0.377						0.623									
KUN001	309	284.80	285.71	122.45	1.078	0.956								0.844										
KUN001	310	285.71	286.63	180.976	1.06	1.131	0.375								0.625									
KUN001	311	286.63	287.55	76.475	1.064	1.329								0.849										
KUN001	312	287.55	288.46	67.809	1.103	1.968			0.327						0.673									
KUN001	313	288.46	289.38	82.663	1.092	3.78									1									
KUN001	314	289.38	290.30	104.127	1.099	5.163									1									
KUN001	315	290.30	291.21	156.524	1.085	1.364	0.479								0.521									
KUN001	316	291.21	292.13	147.371	1.117	1.961			0.337						0.663									
KUN001	317	292.13	293.05	188.566	1.032	0.964								0.782										
KUN001	318	293.05	293.96	175.16	1.075	0.988			0.381					0.619										
KUN001	319	293.96	294.91	126.014	1.048	1.938			0.315						0.685									
KUN001	320	294.91	295.86	185.84	1.061	1.414								0.85										
KUN001	321	295.86	296.81	137.94	1.059	1.519			0.313						0.687									
KUN001	322	296.81	297.76	117.173	1.074	1.849									1									
KUN001	323	297.76	298.71	154.951	1.003	0.741			0.555							0.445								
KUN001	324	298.71	299.66	214.52	1.043	2.509									1									
KUN001	325	299.66	300.55	70.305	1.057	2.111			0.345						0.655									
KUN001	326	300.55	301.43	126.207	1.086	1.92									1									
KUN001	327	301.43	302.31	66.41	1.064	2.158									1									
KUN001	328	302.31	303.20	169.546	1.076	6.39			0.386						0.614									
KUN001	329	303.20	304.08	144.413	1.071	4.12									1									

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Hole	Sample	From	To	TSA Error	Crystallinity		Chlorite Group			Kandite Group			Sericite Group				Others							
					Kael_XT	AlOH_XT	IntChlorite	MgChlorite	FeChlorite	Halloysite	Kaolinite	Dickite	Phengite	Muscovite	Paragonite	Illite	Biotite	Gypsum	Phlog2	Opal	Nacrite	Calcite	Dolomite	Montmorillonite
KUN002	021	18.92	19.88	30.507	0.685	3.193						1												
KUN002	022	19.88	20.83	29.448	0.669	3.335						1												
KUN002	023	20.83	21.79	54.699	0.622	2.884						1												
KUN002	024	21.79	22.75	38.943	0.703	2.672						1												
KUN002	025	22.75	23.69	39.031	0.685	3.446						1												
KUN002	026	23.69	24.63	142.69	0.759	6.154						1												
KUN002	027	24.63	25.58	171.287	0.777	2.915						1												
KUN002	028	25.58	26.52	180.622	0.809	3.097						1												
KUN002	029	26.52	27.46	94.578	0.823	1.715						0.76		0.24										
KUN002	030	27.46	28.40	227.978	0.831	2.778						1												
KUN002	031	28.40	29.33	58.557	0.689	5.469						1												
KUN002	032	29.33	30.27	144.173	0.751	3.144						1												
KUN002	033	30.27	31.20	164.41	0.877	2.423						1												
KUN002	034	31.20	32.13	98.28	0.802	2.305						0.689		0.311										
KUN002	035	32.13	33.07	279.658	0.813	2.677						0.64										0.36		
KUN002	036	33.07	34.00	290.071	0.734	2.076						0.858					0.142							
KUN002	037	34.00	34.93	80	0.66	3.001						1												
KUN002	038	34.93	35.87	237.329	0.791	3.262						0.546										0.454		
KUN002	039	35.87	36.80	84.33	0.726	2.643						1												
KUN002	040	36.80	37.73	52.321	0.566	2.199						1												
KUN002	041	37.73	38.67	43.794	0.588	4.059						1												
KUN002	042	38.67	39.60	56.049	0.78	3.731						0.641										0.359		
KUN002	043	39.60	40.54	167.671	0.757	3.293						1												
KUN002	044	40.54	41.48	106.669	0.739	1.809						1												
KUN002	045	41.48	42.43	37.626	0.707	2.347						0.683										0.317		
KUN002	046	42.43	43.37	213.609	0.798	2.33						1												
KUN002	047	43.37	44.31	71.939	0.764	3.81						0.556										0.444		
KUN002	048	44.31	45.25	73.934	0.698	2.408						1												
KUN002	049	45.25	46.18	83.179	0.719	2.478						1												
KUN002	050	46.18	47.10	210.239	0.857	2.204						1												
KUN002	051	47.10	48.03	200.523	0.807	3.51						1												
KUN002	052	48.03	48.95	223.696	0.836	2.785						1												
KUN002	053	48.95	49.88	455.332	0.894																	0.339		
KUN002	054	49.88	50.80	70.3	0.717	2.162						1												
KUN002	055	50.80	51.73	197.999	0.899	1.208						1												
KUN002	056	51.73	52.67	117.621	0.782	3.122						0.519										0.481		
KUN002	057	52.67	53.60	78.21	0.686	2.322						1												
KUN002	058	53.60	54.53	65.818	0.847	1.617						0.547			0.453									
KUN002	059	54.53	55.47	125.923	0.601	2.711						1												
KUN002	060	55.47	56.40	152.742	0.665	3.428						1												
KUN002	061	56.40	57.33	136.957	0.831	2.566						0.654		0.346										
KUN002	062	57.33	58.27	257.655	0.949	1.776									0.826									
KUN002	063	58.27	59.20	183.398	0.943	2.367									1									
KUN002	064	59.20	60.13	104.042	0.886	1.951						0.236			0.764									
KUN002	065	60.13	61.07	235.114	0.734	1.533						1												
KUN002	066	61.07	62.00	86.753	1.031	0.804									1									
KUN002	067	62.00	62.92		1.012																			
KUN002	068	62.92	63.83	193.784	0.932	1.657						0.79						0.21						
KUN002	069	63.83	64.75	224.767	0.971	1.511								1										
KUN002	070	64.75	65.67		0.987	0.713																		
KUN002	071	65.67	66.58		0.975	0.718																		
KUN002	072	66.58	67.50	213.446	0.935	1.593					0.224				0.776									
KUN002	073	67.50	68.42	218.588	0.878	2.025						1												
KUN002	074	68.42	69.33	193.792	0.911	1.299												0.168				0.832		
KUN002	075	69.33	70.25	137.941	0.937	1.139						1												
KUN002	076	70.25	71.17	199.397	0.846	1.292						1												
KUN002	077	71.17	72.08	73.347	0.755	2.607						0.763			0.237									
KUN002	078	72.08	73.00	298.019	0.906	3.055						0.398			0.602									
KUN002	079	73.00	73.93	73.049	0.735	2.583						1												
KUN002	080	73.93	74.87	40.38	0.57	4.83						1												
KUN002	081	74.87	75.80	46.608	0.551	4.509						1												
KUN002	082	75.80	76.73	68.122	0.471	4.215						1												
KUN002	083	76.73	77.67	98.6	0.729	4.652						1												
KUN002	084	77.67	78.60	190.559	0.806	1.343						0.748												
KUN002	085	78.60	79.50	43.798	0.61	5.383						0.659										0.341		
KUN002	086	79.50	80.40	30.983	0.476	5.191						1												
KUN002	087	80.40	81.30	133.34	0.802	5.882						0.685			0.315									
KUN002	088	81.30	82.20	69.677	0.68																			

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Minasur Film Analysis: TSC (Spectral Assistant)						Crystallinity		Chlorite Group		Kandite Group			Sericite Group				Others							
Hole	Sample	From	To	TSA Error	Kaol_XT	AlOH_XT	IntChlorite	MgChlorite	FeChlorite	Halloysite	Kaolinite	Dickite	Phengite	Muscovite	Paragonite	Illite	Biotite	Gypsum	Phlog2	Opal	Nacrite	Calcite	Dolomite	Montmorillonite
KUN002	109	100.00	100.92	58.261	0.651	7.033						1												
KUN002	110	100.92	101.83	27.287	0.231	4.945						0.76									0.24			
KUN002	111	101.83	102.75	53.02	0.407	7.955						1												
KUN002	112	102.75	103.67	62.89	0.577	5.362						1												
KUN002	113	103.67	104.58	54.613	0.652	5.751						1												
KUN002	114	104.58	105.50	43.597	0.601	5.075						1												
KUN002	115	105.50	106.40	60.461	0.649	6.077						1												
KUN002	116	106.40	107.30	67.823	0.586	5.618						1												
KUN002	117	107.30	108.20	29.365	0.372	6.151						1												
KUN002	118	108.20	109.10	45.258	0.521	5.244						1												
KUN002	119	109.10	110.00	94.697	0.672	4.616						1												
KUN002	120	110.00	110.90	51.271	0.514	3.452						1												
KUN002	121	110.90	111.83	47.809	0.332	4.219						1												
KUN002	122	111.83	112.75	61.202	0.582	7.477						1												
KUN002	123	112.75	113.68	51.093	0.442	4.183						0.681									0.319			
KUN002	124	113.68	114.60	38.299	0.483	6.419						1												
KUN002	125	114.60	115.53	49.615	0.519	6.155						1												
KUN002	126	115.53	116.45	68.593	0.529	7.146						1												
KUN002	127	116.45	117.36	39.829	0.301	7.496						0.691									0.309			
KUN002	128	117.36	118.27	46.457	0.258	6.283						1												
KUN002	129	118.27	119.18	198.849	0.666	6.683						1												
KUN002	130	119.18	120.08	59.744	0.39	5.849						0.635									0.365			
KUN002	131	120.08	120.99	101.704	0.813	2.762						1												
KUN002	132	120.99	121.90	127.029	0.706	5.34						1												
KUN002	133	121.90	122.82	114.332	0.609	6.415						1												
KUN002	134	122.82	123.73	114.068	0.545	10.736						1												
KUN002	135	123.73	124.65	253.158	0.666	10.366						0.489					0.511							
KUN002	136	124.65	125.57	227.692	0.637	4.828						1												
KUN002	137	125.57	126.48	151.853	0.737	4.018						1												
KUN002	138	126.48	127.40	36.713	0.556	5.678						0.723									0.277			
KUN002	139	127.40	128.29	124.298	0.615	11.784						1												
KUN002	140	128.29	129.18	145.119	0.707	4.085						0.798												
KUN002	141	129.18	130.08	41.684	0.237	5.402						1												
KUN002	142	130.08	130.97	160.704	0.632	7.279						1												
KUN002	143	130.97	131.86	94.587	0.569	16.165						1												
KUN002	144	131.86	132.75	102.506	0.396	7.099						1												
KUN002	145	132.75	133.68	45.083	0.363	3.687						1												
KUN002	146	133.68	134.60	76.883	0.647	7.567						1												
KUN002	147	134.60	135.53	86.776	0.571	7.806						1												
KUN002	148	135.53	136.45	39.777	0.386	8.638						1												
KUN002	149	136.45	137.38	75.601	0.68	7.801						1												
KUN002	150	137.38	138.30	32.53	0.141	4.257						1												
KUN002	151	138.30	139.21	24.345	0.348	5.467						0.76									0.24			
KUN002	152	139.21	140.12	60.452	0.557	8.371						0.616									0.384			
KUN002	153	140.12	141.03	37.493	0.503	4.823						1												
KUN002	154	141.03	141.93	47.278	0.601	11.323						0.659									0.341			
KUN002	155	141.93	142.84	89.697	0.375	14.069						1												
KUN002	156	142.84	143.75	42.69	0.522	11.621						0.669									0.331			
KUN002	157	143.75	144.68	100.978	0.637	13.258						0.426									0.574			
KUN002	158	144.68	145.60	150.729	0.652	8.081						1												
KUN002	159	145.60	146.53	69.833	0.341	5.465						1												
KUN002	160	146.53	147.45	58.624	0.534	6.812						1												
KUN002	161	147.45	148.38	92.591	0.693	8.389						1												
KUN002	162	148.38	149.30	75.684	0.532	3.252						1												
KUN002	163	149.30	150.23	58.257	0.431	5.677						1												
KUN002	164	150.23	151.17	116.156	0.67	6.079						1												
KUN002	165	151.17	152.10	132.159	0.655	6.71						0.762												
KUN002	166	152.10	153.03	39.805	0.58	4.367						1												
KUN002	167	153.03	153.97	69.835	0.349	8.425						0.606									0.394			
KUN002	168	153.97	154.90	38.192	0.505	4.325						1												
KUN002	169	154.90	155.83	72.861	0.614	5.378						0.628									0.372			
KUN002	170	155.83	156.77	38.456	0.679	4.669						0.661									0.339			
KUN002	171	156.77	157.70	67.45	0.64	2.298						1												
KUN002	172	157.70	158.63	170.598	0.721	5.276						1												
KUN002	173	158.63	159.57	104.173	0.782	3.32						1												
KUN002	174	159.57	160.50	119.24	0.938	1.103						1												
KUN002	175	160.50	161.42	46.291	0.																			

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KUN002	197	181.07	182.01	117.73	0.894	3.083						0.376										0.624			
KUN002	198	182.01	182.95	73.252	0.975	1.692										1									
KUN002	199	182.95	183.89	33.434	0.706	2.226						0.736										0.264			
KUN002	200	183.89	184.83	57.204	0.848	1.674						0.667										0.333			
KUN002	201	184.83	185.78	44.413	0.767	4						0.581										0.419			
KUN002	202	185.78	186.72	40.473	0.813	1.838						0.595				0.405									
KUN002	203	186.72	187.66	88.224	0.967	1.368						0.221				0.779									
KUN002	204	187.66	188.60	131.766	0.868	0.944						1													
KUN002	205	188.60	189.53	63.947	0.917	1.361						0.455				0.545									
KUN002	206	189.53	190.45	92.597	0.819	0.869						1													
KUN002	207	190.45	191.38	71.891	0.863	1.67						0.666				0.334									
KUN002	208	191.38	192.30	43.19	0.749	1.634						0.717				0.283									
KUN002	209	192.30	193.23	57.573	0.77	2.397						0.763			0.237										
KUN002	210	193.23	194.15	30.181	0.761	2.228						0.689				0.311									
KUN002	211	194.15	194.88	78.762	0.827	2.059						0.742		0.258											
KUN002	212	194.88	195.62	86.978	0.792	1.711						1													
KUN002	213	195.62	196.35	131.675	0.868	0.946						1													
KUN002	214	196.35	197.08	110.233	0.84	1.007						1													
KUN002	215	197.08	197.82	34.024	0.746	1.734						0.689										0.311			
KUN002	216	197.82	198.55	75.439	0.88	2.264						0.258				0.742									
KUN002	217	198.55	199.65	160.064	0.966	1.234																1			
KUN002	218	199.65	200.75	31.949	0.751	1.977						0.58				0.42									
KUN002	219	200.75	201.85	53.601	0.819	1.458						0.632										0.368			
KUN002	220	201.85	202.95	60.415	0.833	1.101						0.724		0.276											
KUN002	221	202.95	204.05	37.779	0.794	1.752						0.682				0.318									
KUN002	222	204.05	205.15	163.478	0.861	1.352						1													
KUN002	223	205.15	206.04	33.105	0.652	2.828						0.689										0.311			
KUN002	224	206.04	206.93	72.747	0.913	1.664								0.364								0.636			
KUN002	225	206.93	207.83	57.254	0.659	4.773						0.598										0.402			
KUN002	226	207.83	208.72	86.547	0.705	6.484						1													
KUN002	227	208.72	209.61	32.204	0.739	5.173						0.688										0.312			
KUN002	228	209.61	210.50	69.858	0.854	1.371						0.599				0.401									
KUN002	229	210.50	211.35	154.725	0.983	0.861												1							
KUN002	230	211.35	212.20	226.708	0.851	1.786						0.596				0.404									
KUN002	231	212.20	213.05	66.617	0.877	2.125						0.624		0.376											
KUN002	232	213.05	213.90	248.978	0.949	0.895						1													
KUN002	233	213.90	214.75	440.005	0.944	1.167			0.481													0.519			
KUN002	234	214.75	215.60	60.84	0.757	4.925						0.61										0.39			
KUN002	235	215.60	216.53	131.519	0.862	2.102						1													
KUN002	236	216.53	217.45	94.962	0.766	2.155						1													
KUN002	237	217.45	218.38	77.259	0.79	2.745						1													
KUN002	238	218.38	219.30	71.156	0.689	3.446						1													
KUN002	239	219.30	220.23	48.711	0.695	5.447						1													
KUN002	240	220.23	221.15	134.038	0.718	2.531						1													
KUN002	241	221.15	222.08	132.453	0.935	1.456																0.669			
KUN002	242	222.08	223.02		0.919	0.579																			
KUN002	243	223.02	223.95	167.816	0.909	1.353						0.848						0.152							
KUN002	244	223.95	224.88	175.503	0.945	0.536						1													
KUN002	245	224.88	225.82	60.16	0.954	1.25										0.458						0.542			
KUN002	246	225.82	226.75	53.022	0.974	1.015										1									
KUN002	247	226.75	227.67	54.055	1.016	0.903										1									
KUN002	248	227.67	228.58	197.084	0.966	1.644										1									
KUN002	249	228.58	229.50	69.383	0.969	1.628								0.532	0.468										
KUN002	250	229.50	230.42	44.513	0.944	0.929						0.602											0.398		
KUN002	251	230.42	231.33	88.941	0.975	1.958										1									
KUN002	252	231.33	232.25	250.367	1.016	1.176										0.869									
KUN002	253	232.25	233.15	117.248	0.999	2.159										1									
KUN002	254	233.15	234.05	87.36	0.987	1.371								0.498	0.502										
KUN002	255	234.05	234.95	62.967	0.951	1.82						0.168				0.832									
KUN002	256	234.95	235.85	104.982	1.005	2.147								0.635	0.365										
KUN002	257	235.85	236.75	303.325	1.001	0.543								0.707				0.293							
KUN002	258	236.75	237.65	203.808	0.999	1.557										1									
KUN002	259	237.65	238.59	187.586	0.974	1.345										0.856		0.144							
KUN002	260	238.59	239.53	15																					

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Birraduk PIMA Analysis: TSG (Spectral Assistant)

Hole	Sample	From	To	TSA Error	Crystallinity		Chlorite Group			Kandite Group			Sericite Group				Others							
					Kael_XT	AlOH_XT	IntChlorite	MgChlorite	FeChlorite	Halloysite	Kaolinite	Dickite	Phengite	Muscovite	Paragonite	Illite	Biotite	Gypsum	Phlog2	Opal	Nacrite	Calcite	Dolomite	Montmorillonite
KUN002	285	261.87	262.80	112.519	1.005	4.818								1										
KUN002	286	262.80	263.73	243.537	0.955	0.551								0.795				0.205						
KUN002	287	263.73	264.67		0.96	3.649																		
KUN002	288	264.67	265.60	251.502	1.112	2.86	0.312										0.688							
KUN002	289	265.60	266.53	90.703	1.008	1.104							0.57				0.43							
KUN002	290	266.53	267.47	90.215	1.024	1.588								1										
KUN002	291	267.47	268.40	78.635	1.063	1.533	0.274							0.726										
KUN002	292	268.40	269.33	174.417	1.055	0.852							1											
KUN002	293	269.33	270.27	58.222	1.05	2.192	0.235							0.765										
KUN002	294	270.27	271.20	268.918	0.987	1.504											0.837		0.163					
KUN002	295	271.20	272.13	242.153	1.054	2.415								1										
KUN002	296	272.13	273.07	114.885	1.005	10.052								1										
KUN002	297	273.07	274.00	135.426	1.016	1.214	0.416							0.584										
KUN002	298	274.00	274.93	192.22	1.08	0.834	0.341							0.659										
KUN002	299	274.93	275.87	152.029	1.034	2.329	0.347							0.653										
KUN002	300	275.87	276.80	120.199	0.942	2.418	0.355							0.645										
KUN002	301	276.80	277.73	153.421	1.022	2.004	0.366							0.634										
KUN002	302	277.73	278.65	389.556	1.153	1.149											0.711							
KUN002	303	278.65	279.58	144.143	1.027	1.407								1										
KUN002	304	279.58	280.50	285.453	1.019	1.147								0.781										
KUN002	305	280.50	281.43	84.208	1.001	1.421	0.378							0.622										
KUN002	306	281.43	282.35	66.887	1.04	1.724	0.322							0.678										
KUN002	307	282.35	283.27		0.969	0.383																		
KUN002	308	283.27	284.18	227.404	1.065	0.901								1										
KUN002	309	284.18	285.10	122.411	1.003	1.615		0.329						0.671										
KUN002	310	285.10	286.02	174.808	1.005	0.795								0.778										
KUN002	311	286.02	286.93	112.615	1.112	1.23								1										
KUN002	312	286.93	287.85	118.733	1.073	0.988	0.371							0.629										
KUN002	313	287.85	288.77	184.626	1.07	1.209								1										
KUN002	314	288.77	289.68	176.438	1.029	2.95	0.352							0.648										
KUN002	315	289.68	290.60	165.168	1.019	1.356								1										
KUN002	316	290.60	291.52	178.726	0.945	2.125								1										
KUN002	317	291.52	292.43	230.497	1.045	1.658								0.884										
KUN002	318	292.43	293.35	156.245	0.962	1.357								1										
KUN005	001	1.00	1.98	97.664	0.832	2.263						1												
KUN005	002	1.98	2.97	145.311	0.855	1.939					0.591					0.409								
KUN005	003	2.97	3.95	47.798	0.802	2.316						1												
KUN005	004	3.95	4.93	113.75	0.999	0.505											1							
KUN005	005	4.93	5.92	66.603	0.799	4.049						0.65				0.35								
KUN005	006	5.92	6.90	438.002	0.963	1.202						0.559								0.441				
KUN005	007	6.90	7.78	438.002	0.963	1.202						0.559								0.441				
KUN005	008	7.78	8.67	201.271	0.952	1.914						0.415		0.585										
KUN005	009	8.67	9.55	219.697	0.925	1.235						0.634			0.366									
KUN005	010	9.55	10.43	134.727	0.984	1.114										1								
KUN005	011	10.43	11.32		0.98	0.745																		
KUN005	012	11.32	12.20	156.225	0.971	0.657				1														
KUN005	013	12.20	13.18	82.789	0.999	1.482								0.572	0.428									
KUN005	014	13.18	14.17	38.557	0.988	1.638								0.7	0.3									
KUN005	015	14.17	15.15		0.984	0.701																		
KUN005	016	15.15	16.13	182.687	0.999	1.164											0.837		0.163					
KUN005	017	16.13	17.12	482.136	0.978	1.413											0.653			0.347				
KUN005	018	17.12	18.10		0.992	1.34																		
KUN005	019	18.10	18.97		0.957	0.895																		
KUN005	020	18.97	19.83	70.579	0.973	0.962											1							
KUN005	021	19.83	20.70	143.172	0.836	2.699						1												
KUN005	022	20.70	21.57	155.33	0.824	2.286						1												
KUN005	023	21.57	22.43	70.084	0.641	4.805						0.412									0.588			
KUN005	024	22.43	23.30	40.322	0.774	2.243						1												
KUN005	025	23.30	24.18	63.437	0.731	4.086						1												
KUN005	026	24.18	25.07	53.299	0.732	2.693						1												
KUN005	027	25.07	25.95	136.717	0.968	1.681										1								
KUN005	028	25.95	26.83	111.906	0.908	1.44						0.409				0.591								
KUN005	029	26.83	27.72	66.344	0.785	3.93						1												
KUN005	030	27.72	28.60	86.611	0.71	2.881						1												
KUN005	031	28.60	29.47	43.717	0.603	5.14						1												
KUN005	032	29.47	30.33	34.788	0.62	4.952						1												
KUN005	033	30.33	31.20	51.458	0.653	4.852																		

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Birraduk PIMA Analysis: TSG (Spectral Assistant)

Minasur Film Analysis: TSC (Spectral Assistant)					Crystallinity		Chlorite Group			Kandite Group			Sericite Group				Others								
Hole	Sample	From	To	TSA Error	Kaol_XT	AlOH_XT	IntChlorite	MgChlorite	FeChlorite	Halloysite	Kaolinite	Dickite	Phengite	Muscovite	Paragonite	Illite	Biotite	Gypsum	Phlog2	Opal	Nacrite	Calcite	Dolomite	Montmorillonite	
KUN005	055	50.30	51.22	225.861	0.886	2.468																0.929			
KUN005	056	51.22	52.13	123.503	0.807	10.202						1													
KUN005	057	52.13	53.05	51.041	0.67	5.216						1													
KUN005	058	53.05	53.97	71.731	0.719	3.396						1													
KUN005	059	53.97	54.88	59.449	0.633	12.421						0.663													
KUN005	060	54.88	55.80	50.012	0.584	6.568						1									0.337				
KUN005	061	55.80	56.75	60.469	0.516	7.874						1													
KUN005	062	56.75	57.70	152.951	0.807	6.388						1													
KUN005	063	57.70	58.65	55.804	0.478	6.165						1													
KUN005	064	58.65	59.60	90.633	0.702	14.219						1													
KUN005	065	59.60	60.55	107.193	0.69	3.248						1													
KUN005	066	60.55	61.50	154.928	0.817	10.896						1													
KUN005	067	61.50	62.43	108.375	0.843	5.005						0.484										0.516			
KUN005	068	62.43	63.37	93.17	0.746	11.087						0.534										0.466			
KUN005	069	63.37	64.30	64.578	0.637	8.49						1													
KUN005	070	64.30	65.23	173.156	0.778	10.15						1													
KUN005	071	65.23	66.17	123.422	0.705	7.883						1													
KUN005	072	66.17	67.10	141.057	0.723	11.865						1													
KUN005	073	67.10	68.03	93.884	0.752	9.086						1													
KUN005	074	68.03	68.95	35.123	0.559	7.132						1													
KUN005	075	68.95	69.88	74.012	0.716	8.855						0.513										0.487			
KUN005	076	69.88	70.80	52.345	0.577	7.824						1													
KUN005	077	70.80	71.73	48.822	0.467	7.21						1													
KUN005	078	71.73	72.65	35.245	0.482	6.508						1													
KUN005	079	72.65	73.62	37.334	0.506	7.973						1													
KUN005	080	73.62	74.60	42.95	0.658	6.816						0.688										0.312			
KUN005	081	74.60	75.57	137.09	0.752	10.416						1													
KUN005	082	75.57	76.55	87.676	0.815	8.174						1													
KUN005	083	76.55	77.52	40.718	0.509	7.6						1													
KUN005	084	77.52	78.50	83.181	0.594	5.926						1													
KUN005	085	78.50	79.40	35.804	0.526	6.98						1													
KUN005	086	79.40	80.30	34.882	0.496	6.415						1													
KUN005	087	80.30	81.20	108.159	0.831	2.886						1													
KUN005	088	81.20	82.10	48.096	0.529	5.505						1													
KUN005	089	82.10	83.00	62.306	0.759	11.737						0.583										0.417			
KUN005	090	83.00	83.90	34.149	0.706	2.798						0.783				0.217									
KUN005	091	83.90	84.85	71.31	0.87	3.524						1													
KUN005	092	84.85	85.80	75.557	0.741	2.913						1													
KUN005	093	85.80	86.75	77.136	0.714	1.906						1													
KUN005	094	86.75	87.70	134.417	0.773	2.446						1													
KUN005	095	87.70	88.65	52.969	0.839	2.632						0.713				0.287									
KUN005	096	88.65	89.60	41.401	0.863	2.53						0.417				0.583									
KUN005	097	89.60	90.53	209.725	0.894	3.836						0.868													
KUN005	098	90.53	91.47	133.732	0.873	3.458						0.399										0.601			
KUN005	099	91.47	92.40	74.441	0.885	3.251						0.763				0.237									
KUN005	100	92.40	93.33	223.722	0.873	1.026						0.886						0.114							
KUN005	101	93.33	94.27	75.349	0.78	2.598						1													
KUN005	102	94.27	95.20	49.962	0.775	2.358						1													
KUN005	103	95.20	96.13	87.847	0.853	2.931						0.547										0.453			
KUN005	104	96.13	97.07	56.476	0.815	2.344						0.77				0.23									
KUN005	105	97.07	98.00	226.767	0.903	1.633						1													
KUN005	106	98.00	98.93	64.114	0.728	2.15						1													
KUN005	107	98.93	99.87	50.393	0.813	2.431						0.676				0.324									
KUN005	108	99.87	100.80	58.497	0.844	2.071						0.618				0.382									
KUN005	109	100.80	101.73	46.417	0.645	3.058						1													
KUN005	110	101.73	102.67	45.055	0.709	3.883						0.753				0.247									
KUN005	111	102.67	103.60	40.903	0.777	2.707						0.633										0.367			
KUN005	112	103.60	104.53	37.197	0.843	2.344						0.602				0.398									
KUN005	113	104.53	105.47	143.183	0.948	1.604						1													
KUN005	114	105.47	106.40	63.601	0.9	3.786						0.601		0.399											
KUN005	115	106.40	107.34	26.021	0.773	3.3						0.72										0.28			
KUN005	116	107.34	108.28	68.462	0.816	4.829						0.508										0.492			
KUN005	117	108.28	109.23	39.945	0.785	4.223						0.57										0.43			
KUN005	118	109.23	110.17	57.019	0.817	6.174						0.54										0.46			
KUN005	119	110.17	111.11	132.447	0.922	2.11						0.6													

Birraduk PIMA Analysis: TSG (Spectral Assistant)

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Hole	Sample	From	To	TSA Error	Crystallinity		Chlorite Group			Kandite Group			Sericite Group			Others								
					Kaol_XT	AOH_XT	IntChlorite	MgChlorite	FeChlorite	Halloysite	Kaolinite	Dickite	Phengite	Muscovite	Paragonite	Illite	Biotite	Gypsum	Phlog2	Opal	Nacrite	Calcite	Dolomite	Montmorillonite
KUN008	121	111.10	112.50	123.658	1.025	1.228							0.584			0.416								
KUN008	122	112.50	113.90	126.472	1.013	1.606					0.276			0.724										
KUN008	123	113.90	115.30	76.247	0.999	1.161							0.299			0.701								
KUN008	124	115.30	116.70	61.837	0.994	1.501										1								
KUN008	125	116.70	118.10	202.415	1.004	0.862					1													
KUN008	126	118.10	119.50	104.572	1.029	1.086					0.267			0.733										
KUN008	127	119.50	120.72	77.57	1.005	1.425										1								
KUN008	128	120.72	121.93		0.984	0.552																		
KUN008	129	121.93	123.15	245.95	0.993	0.285					0.435							0.565						
KUN008	130	123.15	124.37	164.848	1.019	1.207										1								
KUN008	131	124.37	125.58	107.652	1.035	1.387					0.278					0.722								
KUN008	132	125.58	126.80	83.391	1.013	1.099										1								
KUN008	133	126.80	127.47	164.475	0.993	1.102										1								
KUN008	134	127.47	128.13	116.909	1.019	1.27					0.375			0.625										
KUN008	135	128.13	128.80	169.655	1.069	1.201					0.471			0.529										
KUN008	136	128.80	129.47		1.031	0.745																		
KUN008	137	129.47	130.13	200.088	1.029	1.39					0.304			0.696										
KUN008	138	130.13	130.80	94.134	1.016	1.479					0.345			0.655										
KUN008	139	130.80	131.63	264.647	1.044	2.02					0.882													
KUN008	140	131.63	132.47	78.797	1.071	1.982					0.511			0.489										
KUN008	141	132.47	133.30	137.173	1.059	1.055					0.325		0.675											
KUN008	142	133.30	134.13	269.27	1.02	1.062								0.851										
KUN008	143	134.13	134.97	162.827	1.027	1.285								1										
KUN008	144	134.97	135.80	133.511	1.05	1.249					0.411			0.589										
KUN008	145	135.80	136.63	111.277	1.052	1.229							0.437			0.563								
KUN008	146	136.63	137.47	189.618	1.034	1.273								1										
KUN008	147	137.47	138.30	145.578	1.012	1.145								1										
KUN008	148	138.30	139.13	62.974	1.02	1.581										1								
KUN008	149	139.13	139.97	155.288	0.897	2.183					0.496	0.504												
KUN008	150	139.97	140.80	559.549	0.95	1.306					0.427	0.573												
KUN008	151	140.80	141.65	147.844	1.047	1.222								0.646						0.354				
KUN008	152	141.65	142.50	81.446	0.787	1.496					0.605					0.395								
KUN008	153	142.50	143.35	165.143	0.79	3.737					1													
KUN008	154	143.35	144.20	79.243	0.523	2.513					1													
KUN008	155	144.20	145.05	60.617	0.564	2.908					1													
KUN008	156	145.05	145.90	50.878	0.769	2.234					0.607		0.393											
KUN008	157	145.90	146.73	234.364	1.014	0.931								1										
KUN008	158	146.73	147.55	377.12	1.006	0.403										0.739						0.261		
KUN008	159	147.55	148.38		1.075	0.218																		
KUN008	160	148.38	149.20	202.409	0.984	0.862					0.294		0.706											
KUN008	161	149.20	150.03	50.526	1.008	1.213										1								
KUN008	162	150.03	150.85	118.774	1.023	1.252										1								
KUN008	163	150.85	151.68	128.394	0.994	1.134										1								
KUN008	164	151.68	152.50	211.955	0.995	0.875										1								
KUN008	165	152.50	153.33	177.758	0.992	0.875										0.847		0.153						
KUN008	166	153.33	154.15	186.24	1.013	0.936										1								
KUN008	167	154.15	154.98	59.108	0.998	1.129										1								
KUN008	168	154.98	155.80		1	0.987																		
KUN008	169	155.80	156.83	60.325	0.999	1.343										1								
KUN008	170	156.83	157.87		0.993																			
KUN008	171	157.87	158.90	231.741	0.996	1.773										1								
KUN008	172	158.90	159.93	231.166	1.008	1.368										1								
KUN008	173	159.93	160.97	217.197	0.997	1.141										1								
KUN008	174	160.97	162.00	235.81	1.006	1.247								0.627	0.373									
KUN008	175	162.00	162.92	133.701	1.005	1.519										0.789		0.211						
KUN008	176	162.92	163.83	76.642	0.998	1.543										1								
KUN008	177	163.83	164.75	218.05	1.005	0.852										1								
KUN008	178	164.75	165.67	139.64	1.038	2.001										1								
KUN008	179	165.67	166.58	185.39	1.006	1.482										1								
KUN008	180	166.58	167.50	318.481	1.038	2.579								0.923				0.0769						
KUN008	181	167.50	168.53	190.824	1.032	4.172								1										
KUN008	182	168.53	169.57	258.049	1.044	2.047			0.541							0.459								
KUN008	183	169.57	170.60	192.218	1.019	1.563										1								
KUN008	184	170.60	171.63	68.557	1.056	3.332										1								
KUN008	185	171.63	172.67	175.621	0.934	7.183					0.498					0.502								
KUN008	186	172.67	173.70	257.103	1.018	2.504				0.214				0										

Birraduk PIMA Analysis: TSG (Spectral Assistant)

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Hole	Sample	From	To	TSA Error	Crystallinity		Chlorite Group			Kandite Group			Sericite Group				Others							
					Kaol_XT	AlOH_XT	IntChlorite	MgChlorite	FeChlorite	Halloysite	Kaolinite	Dickite	Phengite	Muscovite	Paragonite	Illite	Biollite	Gypsum	Phlog2	Opal	Nacrite	Calcite	Dolomite	Montmorillonite
KUN009	093	83.72	84.60	28.327	0.698	5.077						1												
KUN009	094	84.60	85.48	50.983	0.695	7.235						1												
KUN009	095	85.48	86.37	28.242	0.687	5.367						1												
KUN009	096	86.37	87.25	74.653	0.838	5.815						1												
KUN009	097	87.25	88.19	171.984	0.886	3.159						1												
KUN009	098	88.19	89.13	115.131	0.864	8.998						1												
KUN009	099	89.13	90.07	177.052	0.892	3.796						1												
KUN009	100	90.07	91.02	31.954	0.781	6.25						1												
KUN009	101	91.02	91.96	41.395	0.659	5.405						1												
KUN009	102	91.96	92.90	65.896	0.851	4.227				0.263		0.737												
KUN009	103	92.90	93.82	66.305	0.816	9.697						1												
KUN009	104	93.82	94.73	90.452	0.864	3.649						1												
KUN009	105	94.73	95.65	131.961	0.918	2.423						1												
KUN009	106	95.65	96.57	33.373	0.732	5.836						1												
KUN009	107	96.57	97.48	69.111	0.69	4.873						1												
KUN009	108	97.48	98.40	50.372	0.692	5.144						1												
KUN009	109	98.40	99.30	54.71	0.848	5.723						1												
KUN009	110	99.30	100.20	110.221	0.845	7.098						1												
KUN009	111	100.20	101.10	67.64	0.701	3.915						1												
KUN009	112	101.10	102.00	54.395	0.661	5.644						1												
KUN009	113	102.00	102.90	116.283	0.85	9.412						1												
KUN009	114	102.90	103.80	73.432	0.979	2.261						0.353				0.647								
KUN009	115	103.80	104.72	102.737	0.847	5.637						1												
KUN009	116	104.72	105.63	63.874	0.727	3.83						1												
KUN009	117	105.63	106.55	101.121	0.915	3.748						0.689				0.311								
KUN009	118	106.55	107.47	129.717	0.86	5.485						1												
KUN009	119	107.47	108.38	87.599	0.849	1.883						1												
KUN009	120	108.38	109.30	17.858	0.978	1.637									0.308	0.692								
KUN009	121	109.30	110.20	180.162	0.955	1.393						1												
KUN009	122	110.20	111.10	141.486	0.961	1.915						0.319			0.681									
KUN009	123	111.10	112.00	72.596	0.865	1.576						0.643				0.357								
KUN009	124	112.00	112.90	58.741	0.78	2.614						0.743				0.257								
KUN009	125	112.90	113.80	39.066	0.915	2.071						0.309				0.691								
KUN009	126	113.80	114.70	100.457	0.919	2.34						0.666			0.334									
KUN009	127	114.70	115.58	119.666	0.979	2.56								0.54	0.46									
KUN009	129	116.47	117.35	143.703	0.913	1.082						1												
KUN009	130	117.35	118.23	74.87	0.739	2.898						1												
KUN009	131	118.23	119.12	128.683	0.836	1.857						1												
KUN009	132	119.12	120.00	217.366	0.941	1.478						0.573			0.427									
KUN009	133	120.00	120.88	40.98	0.975	1.336									0.433	0.567								
KUN009	134	120.88	121.77	189.968	0.918	2.015						1												
KUN009	135	121.77	122.65	89.032	0.887	0.836						0.576				0.424								
KUN009	136	122.65	123.53	88.926	0.85	1.908						1												
KUN009	137	123.53	124.42	54.845	0.936	1.338						0.25				0.75								
KUN009	138	124.42	125.30	155.356	0.998	1.878									1									
KUN009	139	125.30	126.20	234.545	1.028	1.154									1									
KUN009	140	126.20	127.10	27.075	0.972	1.495									0.538	0.462								
KUN009	141	127.10	128.00	69.831	0.988	2.137								0.36	0.64									
KUN009	142	128.00	128.90	190.879	0.991	1.348									1									
KUN009	143	128.90	129.80	105.582	0.993	1.039										1								
KUN009	144	129.80	130.70		1.013	0.533																		
KUN009	145	130.70	131.52		1.012	0.39																		
KUN009	146	131.52	132.33	78.783	0.989	0.551																		
KUN009	147	132.33	133.15		0.996	0.362																		
KUN009	148	133.15	133.97		1.051	0.672																		
KUN009	149	133.97	134.78	83.145	0.997	1.121										0.8								
KUN009	150	134.78	135.60	167.069	1.018	4.596										1								