

Cameco Australia Pty. Ltd.

Nabarlek Project EL's 10176, 24371, 24372 - Outcrop Sample TSA Minerals - 2006

Sample Number	Lithology	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Signal to Noise	AlOH Crystallinity	Kaolinite Crystallinity
NA060001	Gravel	Halloysite	0.658	Dickite	0.342	185.51	2186.79	0.883	0.979
NA060002	Pebbly sandstone	Kaolinite	0.655	Muscovite	0.345	99.82	2636.5	1.616	1.029
NA060003	Fine sandstone	Illite	1	NULL	NULL	68.548	3310.63	1.97	0.978
NA060004	Fine sandstone	Kaolinite	0.582	Siderite	0.418	98.12	2905	1.098	1.027
NA060005	Fine sandstone	Kaolinite	0.636	Dickite	0.364	171.8	3302.67	1.83	0.984
NA060006	Medium sandstone	Dickite	1	NULL	NULL	274.15	3444.3	0.902	0.914
NA060007	Fine sandstone	Dickite	1	NULL	NULL	160.34	2928.84	2.723	0.909
NA060008	Fine sandstone	Dickite	1	NULL	NULL	262.72	3188.47	0.758	0.943
NA060009	Fine sandstone	Dickite	1	NULL	NULL	135.81	2960.26	3.096	0.837
NA060010	Pebbly sandstone	Illite	1	NULL	NULL	159.91	2198.55	1.279	1.011
NA060011	Pebbly sandstone	Illite	1	NULL	NULL	114.73	2011.28	1.107	1.003
NA060012	Pebbly sandstone	Illite	1	NULL	NULL	78.026	2181.44	0.993	0.95
NA060013	Sandstone	Montmorillonite	0.598	Halloysite	0.402	103.27	2307.78	0.614	0.977
NA060014	Gneiss	Illite	0.516	MgChlorite	0.484	41.441	1830.2	1.673	0.953
NA060015	Porphyritic dolerite	Aspectral	NULL	NULL	NULL	5000	1016.53	0.888	0.961
NA060016	Nabarlek Granite	Pyrophyllite	1	NULL	NULL	152.81	1950.13		1.004
NA060017	Medium sandstone	Kaolinite	0.832	Gibbsite	0.168	182.2	2295.66	2.159	1.017
NA060018	Medium sandstone	Illite	0.537	Siderite	0.463	162.86	3287.65	0.876	1.001
NA060019	Medium sandstone	Illite	1	NULL	NULL	403.7	3634.74	0.927	0.997
NA060020	Medium sandstone	Illite	1	NULL	NULL	119.02	2985.5	1.07	0.995
NA060021	Pebbly sandstone	Illite	1	NULL	NULL	595.14	2618.22	0.661	1.003
NA060022	Pebbly sandstone	Illite	1	NULL	NULL	562.64	2657.73	0.663	1.001
NA060023	Fine sandstone	Kaolinite	1	NULL	NULL	407.25	2127.93	0.682	1.003
NA060024	Fine sandstone	Halloysite	1	NULL	NULL	608.06	2933.92	0.673	1.004
NA060025	Fine sandstone	Kaolinite	1	NULL	NULL	200.54	2790.58	1.185	1.011
NA060026	Medium Sandstone	Siderite	1	NULL	NULL	1031.03	3610.45	0.393	0.994
NA060027	Fine sandstone	Aspectral	NULL	NULL	NULL	5000	2707.27	0.597	0.999
NA060028	Fine sandstone	Kaolinite	0.573	Paragonite	0.427	138.52	2536.7	1.241	1
NA060029	Dolerite	MgChlorite	1	NULL	NULL	2474.59	1781.87	0.786	1.004
NA060030	Meta-arkose	Illite	0.636	Halloysite	0.364	89.48	2228.41	1.557	1.003
NA060031	Dolerite	IntChlorite	1	NULL	NULL	265.88	1118.34	0.961	1.002
NA060032	Pelitic schist	Illite	0.591	IntChlorite	0.409	57.176	1928.3	2.71	1.025
NA060201	coarse grained sandstone	Kaolinite	1	NULL	NULL	82.16	3018.94	2.108	1.031
NA060202	silicified shear zone (ex sdst)	Muscovite	0.526	Paragonite	0.474	33.922	2176.91	1.722	0.987

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NA060203	silicified granule-stone HE Bx	Illite	1	NULL	NULL	145.65	2526.45	0.685	1
NA060601	Ferricrete	Halloysite	1	NULL	NULL	287.58	1663.25	0.998	0.99
NA060602	Sandstone	Illite	1	NULL	NULL	215.08	2504.85	1.716	1.01
NA060603	Sandstone	Illite	1	NULL	NULL	217.94	2389.34	1.09	1.007
NA060604	Sandstone	Halloysite	1	NULL	NULL	3139.81	3237.7	0.736	1.005
NA060606	Sandstone	Halloysite	1	NULL	NULL	450.5	2594.66	1.05	1.011
NA060607	Sandstone	Kaolinite	1	NULL	NULL	247.4	1680.29	1.427	1.019
NA060609	Psammite	Illite	0.758	Halloysite	0.242	70.985	2045.04	2.515	1.015
NA060611	ferricrete	Halloysite	0.738	Dickite	0.262	145.03	1763.5	1.737	1.012
NA060612	Sandstone	NULL	NULL	NULL	NULL	NULL	2808.3	0.6	1.002
NA060613		Kaolinite	0.692	Siderite	0.308	68.598	2542.48	1.922	1.023
NA060614		Illite	1	NULL	NULL	127.41	2149.07	1.34	0.99
NA060615		FeChlorite	0.591	Gibbsite	0.409	120.02	2013.26		0.987
NA060616		Kaolinite	1	NULL	NULL	119.9	2816.32	2.293	1.033
NA060617	sandstone , minor floating pebbles	Illite	1	NULL	NULL	97.949	3163.85	1.12	1.003
NA060618	quartz breccia, locally micaceous	Illite	1	NULL	NULL	95.217	1826.2	0.926	0.948
NA060619	micaceous sdst layer, in sdsdt	Illite	0.817	Halloysite	0.183	75.277	1924.31	1.475	1.03
NA060620	brecciated sdst, hematitic matrix	Illite	1	NULL	NULL	197.6	2854.88	1.257	0.99
NA060621	desilicified sdst	Halloysite	1	NULL	NULL	402.28	2760.95	1.102	0.999
NA060622	ferruginous desilicified sandstone	Kaolinite	1	NULL	NULL	2008.82	2425.5	0.374	1.002
NA060623	ferruginous fracture in desilic ss	Kaolinite	1	NULL	NULL	146.24	2148.78	1.793	1.042
NA060625	silicified sdst	Kaolinite	1	NULL	NULL	87.632	2186.37	1.446	1.044
NA060626	silicified sdst	Kaolinite	0.705	Siderite	0.295	58.427	2632.56	1.878	1.036
NA060627	desilicified sdst	Kaolinite	1	NULL	NULL	283.53	2906.39	0.566	1.014
NA060801	Orange coarse-v. coarse ss	Halloysite	1	NULL	NULL	392.5	2932.3	1.232	1.007
NA060802	coarse-granule SS	Kaolinite	1	NULL	NULL	93.896	1732.59	1.282	1.035
NA060803	Sandstone, coar-vcoar, li, qdz	Kaolinite	1	NULL	NULL	118.27	2189.08	1.73	1.015
NA060810	Qtz-rich Qtz-mica-clay schist	Illite	0.61	MgChlorite	0.39	69.074	2515.53	1.647	0.999
NA060811	QMPL trench in pisoliths after pdo	Illite	0.539	Halloysite	0.461	103.45	2055.08	0.841	1.027
NA060813	Bleached mica clay schist	Illite	0.56	Halloysite	0.44	123.14	1912.43	0.849	1.033
NA060814	Coarse ss, cy	Illite	0.718	Paragonite	0.282	34.093	2513.86	1.908	0.973
NA060815	med-coarse SS, cy, det mica	Dickite	1	NULL	NULL	301.3	2456.38	1.268	0.935
NA060816	Qtz-cy-mica-hem schist	Illite	1	NULL	NULL	165.59	1908.52	0.978	0.993
NA060817	Clay hem qtz rock	Illite	0.646	MgChlorite	0.354	81.836	1811.84	1.377	0.969