



Report No.: A22-17951
Report Date: 29-Jan-23
Date Submitted: 30-Nov-22
Your Reference: EXPLORATION

U.S. CRITICAL MATERIALS
4190 SOUTH HIGHLANDS DRIVE, SUITE 230, S
SALT LAKE CITY UTAH
United States

CERTIFICATE OF ANALYSIS

10 Rock samples were submitted for analysis.

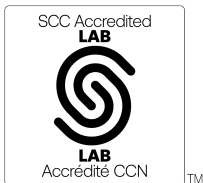
Table with 2 columns: Analytical package requested and Testing Date. Row 1: 8-REE Assay Package, QOP WRA/ QOP WRA 4B2 (Major/Trace Elements Fusion ICPOES/ICPMS), 2022-12-21 10:41:34

REPORT A22-17951

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Total includes all elements in % oxide to the left of total.



LabID: 266

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CERTIFIED BY:

Handwritten signature of Mark Vandergeest

Mark Vandergeest
Quality Control Coordinator

Results

Activation Laboratories Ltd.

Report: A22-17951

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.005	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	GRAV	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
CXL-01	25.20	1.09	0.38	0.010	0.12	52.15	0.44	0.09	0.008	0.13	5.06	84.69	95	< 1	< 5	< 20	< 1	< 20	< 10	< 30	3	< 1	< 5
CXL-02	1.85	0.29	0.06	0.006	0.06	71.32	0.18	0.02	0.005	0.01	0.67	74.15	141	< 1	< 5	< 20	< 1	< 20	< 10	< 30	1	< 1	< 5
CXL-03	3.59	0.35	0.21	0.009	0.16	69.34	0.14	0.06	0.042	0.11	1.74	75.69	350	< 1	< 5	< 20	< 1	< 20	< 10	< 30	2	< 1	< 5
CXL-04	1.64	0.26	0.07	0.007	0.05	71.82	0.14	0.03	0.003	0.03	0.66	74.35	54	< 1	< 5	< 20	< 1	< 20	< 10	< 30	1	< 1	< 5
CXL-05	17.40	0.64	0.97	0.030	0.45	58.82	0.25	0.05	0.443	0.16	4.74	83.96	386	< 1	12	< 20	< 1	< 20	< 10	< 30	3	< 1	< 5
WFX-01	27.19	1.00	0.60	0.012	0.91	47.40	0.54	0.02	0.035	0.04	8.10	85.85	3	< 1	9	< 20	< 1	< 20	< 10	< 30	1	1	< 5
WFX-02	43.93	3.29	2.28	0.029	6.50	21.06	1.90	0.02	0.130	0.05	19.06	98.25	11	< 1	31	30	< 1	< 20	< 10	< 30	5	2	< 5
WFX-03	37.77	3.46	2.13	0.026	5.94	27.26	2.01	0.02	0.126	0.05	18.15	96.94	11	< 1	32	30	1	< 20	< 10	< 30	5	2	< 5
HAP-01	54.31	16.36	5.86	0.036	0.10	0.10	1.63	10.16	0.390	0.07	1.56	90.58	2	4	267	< 20	2	< 20	80	70	43	5	23
HAP-02	60.05	18.51	4.12	0.009	0.05	0.06	2.59	11.23	0.261	0.02	1.29	98.20	< 1	2	115	< 20	< 1	< 20	40	40	50	2	47

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
CXL-01	5	24	784	19	21	< 2	< 0.5	< 0.2	1	< 0.5	< 0.5	18	< 0.4	15.6	39.8	7.22	40.7	20.1	0.64	32.3	7.4	50.5	11.2
CXL-02	2	25	1288	5	286	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	6	< 0.4	12.4	42.7	8.56	60.3	32.7	1.10	57.1	12.2	86.7	18.8
CXL-03	5	32	1167	5	47	< 2	< 0.5	< 0.2	1	< 0.5	< 0.5	12	< 0.4	14.9	44.9	8.05	51.2	23.3	1.01	44.2	9.5	68.2	14.9
CXL-04	2	27	1226	< 4	35	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	7	< 0.4	11.7	35.0	6.78	46.2	24.2	0.70	47.1	9.7	69.0	15.0
CXL-05	2	27	1153	12	145	< 2	< 0.5	< 0.2	3	< 0.5	< 0.5	12	< 0.4	44.5	129	22.1	121	41.7	2.75	59.4	11.6	78.9	16.5
WFX-01	< 2	50	152	19	2	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	5	< 0.4	9.1	17.5	2.11	7.8	2.1	0.41	3.3	0.7	4.9	1.0
WFX-02	< 2	8	117	55	4	< 2	< 0.5	< 0.2	1	< 0.5	< 0.5	4	< 0.4	26.1	51.3	6.08	23.2	4.9	0.89	5.3	1.1	8.0	1.9
WFX-03	< 2	8	182	51	4	< 2	< 0.5	< 0.2	1	0.5	< 0.5	35	< 0.4	39.0	77.5	9.12	34.3	7.2	1.21	7.2	1.4	10.2	2.3
HAP-01	242	192	292	55680	84	< 2	< 0.5	< 0.2	3	40.2	2.0	395	< 0.4	103	283	24.1	80.3	16.5	4.39	18.6	3.6	28.6	7.3
HAP-02	259	227	5	867	39	< 2	< 0.5	< 0.2	2	17.6	1.7	290	< 0.4	21.9	44.4	4.00	9.8	0.9	0.19	0.6	0.1	0.7	0.1

Analyte Symbol	Er	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
CXL-01	33.7	4.74	31.3	4.87	0.6	0.8	2	< 0.1	< 5	7.3	4.2
CXL-02	56.6	7.95	47.7	6.97	0.6	2.3	1	< 0.1	< 5	47.8	42.0
CXL-03	46.4	6.37	40.4	5.97	0.6	1.8	1	< 0.1	< 5	7.8	7.8
CXL-04	45.8	6.40	40.1	6.20	0.4	1.0	2	< 0.1	< 5	5.5	5.4
CXL-05	48.2	6.61	41.3	6.09	1.1	3.1	28	< 0.1	< 5	16.4	11.4
WFX-01	2.8	0.34	1.8	0.20	0.5	0.3	1	< 0.1	< 5	0.9	0.3
WFX-02	5.6	0.72	4.0	0.51	1.5	0.3	2	< 0.1	< 5	5.6	0.9
WFX-03	6.8	0.86	4.4	0.56	1.4	0.3	2	< 0.1	< 5	7.6	0.9
HAP-01	28.7	5.32	42.3	7.42	957	4.1	9	1.5	66	3830	611
HAP-02	0.4	0.07	0.6	0.11	19.3	2.1	2	1.5	68	107	17.9