

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

GTA-01


Certified Pulp Lithium and Tantalum Reference Material

GTA-01

Certified Control Values

Method	Element	Units	Grade	Standard Deviation	No of Analyses	95% Confidence Interval
Fusion XRF	Ta	ppm	458		Indicative Only	
	Nb	ppm	43		Indicative Only	
	SiO2	%	72.4		Indicative Only	
	Fe2O3	%	0.77		Indicative Only	
	S	%	0.022		Indicative Only	
	As	ppm	18		Indicative Only	
	U3O8	ppm	7		Indicative Only	
	Sn	ppm	422		Indicative Only	
	ThO2	ppm	5		Indicative Only	
	WO3	ppm	11.65		Indicative Only	
Fusion ICP	Ta	ppm	415	36	44	+/- 12
	Li	ppm	3095		Indicative Only	
	Nb	ppm	47	6	40	+/- 2
	SiO2	%	73.4	1.8	106	+/- 0.4
	Fe2O3	%	0.77	0.04	50	+/- 0.02
	S	%	0.020		Indicative Only	
	As	ppm	15		Indicative Only	
	U3O8	ppm	8	1	40	+/- 1
	Sn	ppm	438	33	100	+/- 7
	ThO2	ppm	5	0	40	+/- 1
4 Acid ICP	WO3	ppm	6.71	0.74	64	+/- 0.19
	Sb	ppm	<5		Indicative Only	
	Al	%	7.59	1.05	60	+/- 0.28
	Ca	%	0.25	0.01	40	+/- 0.01
	Fe	%	0.52	0.01	35	+/- 0.01
	K	%	2.18	0.09	59	+/- 0.03
	Li	ppm	3132	129	59	+/- 34
Mn	ppm	814	63	60	+/- 17	
Na	%	3.72	0.07	54	+/- 0.02	
Zn	ppm	62	4	59	+/- 1	

CRM Details

<p>Control Statistic Details Control values for this material were determined during two dedicated certification programs.</p> <p>Certification Date This material was certified with the above values on the 22nd of March 2013 and /or 12th August 2016.</p> <p>Source Material Prior to homogenisation and testing, this material was sourced from: Pegmatite ore, Western Australia</p> <p>Material Type Pulp Lithium and Tantalum Ore, 10g samples.</p> <p>Usage This product is for use in the mining industry as reference materials for monitoring and testing the accuracy of laboratory assaying.</p> <p>Preparation and Packaging This reference material was dried in an oven for a minimum of 8 hours at 110C. The dry material is then pulverised in a bowl and puck mill and homogenised in a vee-blender. The material is then stored in a sealed, stable container ready for final packaging. Materials are statistically sampled from stores, then packaged into heat sealed, air tight, plastic packets ready for distribution. All packaging has been chosen to ensure minimal contamination from outside sources during shipment, use and storage.</p> <p>Assay Testwork This standard was tested in a dedicated certification program. In March 2013, 10 x 20g samples were sent to 5 laboratories for fusion / XRF and fusion / ICP analyses. In August 2016, an additional 10 x 40g samples were sent to 6 laboratories for 4 acid digest / ICP and additional fusion / ICP analyses. Assay distributions are checked and processed statistically, producing monitoring statistics for these standards. Materials are tested regularly to ensure stability and homogeneity.</p> <p>Stability This product remains stable in its original packaging, away from direct sunlight.</p> <p>Material Safety This product is not hazardous and non-toxic.</p>	
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