GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Pulp Lithium and Tantalum Reference Material

GTA-23

Certified Control Values

Method	Element	Units	Grade	Standard Deviation	No of Analyses	95% Confidence Interval
Fusion / ICP	Li	ppm	8445	289	60	+/- 76
	Fe	%	1.02	0.06	59	+/- 0.02
	Al	%	8.4	0.2	59	+/- 0.1
	Si	%	34.1	0.9	59	+/- 0.3
	Ti	%	<0.02			
	Mn	ppm	783	33	60	+/- 9
	S	%	<0.05			
	P	ppm	397	49	60	+/- 13
	Sn	ppm	60	4	50	+/- 2
	Ta	ppm	76	5	60	+/- 2
	Nb	ppm	82	5	59	+/- 2
	Pb	ppm	<50			
	Ca	%	0.3	0.0	60	+/- 0.1
	Mg	%	0.03	0.01	60	+/- 0.01
	K	%	2.1	0.1	57	+/- 0.1
	U	ppm	6	0	59	+/- 1
	Th	ppm	3.5	0.3	59	+/- 0.1
	Be	ppm	166	7	59	+/- 2
	Ce	ppm	1.8	0.4	60	+/- 0.1
	Bi	ppm	9	1	50	+/- 1
TGA	LOI1000	%	0.60	0.07	50	+/- 0.02

CRM Details

Control Statistic Details
Control values for this material were determined during a dedicated certification program.

Certification Date
This material was certified with the above values on the 7th September 2026.

Source Material
Prior to homogenisation and testing, this material was sourced from:
Pegamatite

Material Type
Pulp Lithium and Tantalum Ore, 10g samples.

Usage
This product is for use in the mining industry as reference materials for monitoring and testing the accuracy of laboratory assaying.

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.

Assay Testwork
This standard was tested in a dedicated certification program. 10 x 20g samples were sent to 6 laboratories for fusion / ICP and TGA analyses.

Assay distributions are checked and processed statistically, producing monitoring statistics for these standards. Materials are tested regularly to ensure stability and homogeneity.

Stability
This product remains stable in its original packaging, away from direct sunlight.

Material Safety
This product is not hazardous and non-toxic.

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