GEOSTATS PTY LTD
Mining Industry Consultants
Reference Material Manufacture and Sales

GV-10

Certified Reference Material

GV-10

Certified Control Values

Method	Element	Units	Grade	Standard Deviation	No of Analyses	95% Confidence Interval
4 Acid Digest / ICP	Ag	ppm	0.3			
	Al	%	6.87	0.19	56	+/- 0.06
	As	ppm	4.0	0.9	50	+/- 0.3
	Ba	ppm	420	16	57	+/- 5
	Bi	ppm	0.2	0.0	55	+/- 0.1
	Ca	%	1.16	0.03	59	+/- 0.01
	Cd	ppm	0.1	0.0	40	+/- 0.1
	Ce	ppm	75.0	2.6	58	+/- 0.7
	Co	ppm	37.0	1.3	57	+/- 0.4
	Cr	ppm	126	9	50	+/- 3
	Cu	ppm	116	2	49	+/- 1
	Fe	%	10.4	0.2	50	+/- 0.1
	K	%	1.56	0.07	60	+/- 0.02
	La	ppm	34.5	1.2	60	+/- 0.4
	Li	ppm	14.0	0.7	48	+/- 0.2
	Mg	%	1.22	0.03	59	+/- 0.01
	Mn	ppm	1218	45	60	+/- 12
	Mo	ppm	1.2	0.2	59	+/- 0.1
	Na	%	0.76	0.02	60	+/- 0.01
	Ni	ppm	67	6	60	+/- 2
	P	ppm	810	43	60	+/- 12
	Pb	ppm	16	1	59	+/- 1
	S	ppm	118			
	Sb	ppm	0.2	0.0	43	+/- 0.1
	Sc	ppm	27	1	50	+/- 1
	Sn	ppm	3.2	0.3	60	+/- 0.1
	Sr	ppm	123.4	3.7	60	+/- 1
	Te	ppm	0.2			
	Ti	ppm	16079	914	60	+/- 237
	Tl	ppm	0.4	0.1	60	+/- 0.1
	V	ppm	352	17	59	+/- 5
	W	ppm	1.4	0.2	50	+/- 0.1
	Zn	ppm	126	5	60	+/- 2
Fusion / ICP	Ag	ppm	5			
	Al	%	6.86	0.19	58	+/- 0.05
	As	ppm	4			
	Ba	ppm	412	16	60	+/- 5
	Bi	ppm	0.2			
	Ca	%	1.2	0.0	59	+/- 0.1
	Cd	ppm	0.2			
	Ce	ppm	71.0	3.9	60	+/- 1.1
	Co	ppm	37	2	48	+/- 1
	Cr	ppm	139	16	60	+/- 5
	Cu	ppm	109	6	38	+/- 3
	Fe	%	10.3	0.2	60	+/- 0.1
	K	%	1.6	0.0	55	+/- 0.1
	La	ppm	33.4	1.9	60	+/- 0.5
	Li	ppm	17	3	30	+/- 2
	Mg	%	1.25	0.04	60	+/- 0.01
	Mn	ppm	1220	38	60	+/- 10
	Mo	ppm	2			
	Na	%	0.72	0.01	30	+/- 0.01
	Ni	ppm	69	13	39	+/- 5
	P	ppm	827	57	50	+/- 17
	Pb	ppm	15			
	S	%	0.01			
	Sb	ppm	1			
	Sc	ppm	28	3	50	+/- 1
	Sn	ppm	3	1	30	+/- 1
	Sr	ppm	127	8	60	+/- 3
	Te	ppm	1			
	Ti	%	1.76	0.04	60	+/- 0.02
	Tl	ppm	0.3	0.2	40	+/- 0.1
	V	ppm	373	19	49	+/- 6
	W	ppm	3			
	Zn	ppm	136	18	50	+/- 6

CRM Details

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

Certification Date
This material was certified with the above values on:
August 2026

Source Material
Prior to homogenisation and testing, this material was sourced from:
Sediment hosted, titanite.

Material Type
Pulp Titanium 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 105ºC. 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 4 acid digest / ICP and fusion / ICP analyses. Assay distributions were checked and processed statistically, producing monitoring statistics for these standards.

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