

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

GPO-16

Certified Pulp Phosphate Ore Reference Material

GPO-16

Certified Control Values

Element	Units	Grade	Standard Deviation	No of Analyses	95% Confidence Interval
P2O5	%	17.76	0.147	50	+/- 0.042
Al2O3	%	0.80	0.015	50	+/- 0.005
CaO	%	42.08	0.385	50	+/- 0.11
Fe2O3	%	0.693	0.0108	48	+/- 0.0032
MgO	%	6.38	0.041	50	+/- 0.012
SiO2	%	6.97	0.068	39	+/- 0.023
U	ppm	46.5	Indicative only		
BaO	%	0.017	Indicative only		
K2O	%	0.22	0.005	50	+/- 0.002
MnO	%	0.011	Indicative only		
Na2O	%	0.704	0.0209	39	+/- 0.0068
SO3	%	1.692	0.0391	40	+/- 0.0125
TiO2	%	0.05	0.005	50	+/- 0.002
LOI	%	21.69	0.065	49	+/- 0.019

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:
20th July 2012

Source Material

Prior to homogenisation and testing, this material was sourced from:
Sedimentary Phosphate Deposit, Tunisia

Material Type

Pulp Phosphate 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 crushed in a micron 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 10g samples were sent to 5 laboratories for XRF analyses. Assay distributions are checked and processed statistically, producing monitoring statistics for these standards. Materials are tested regularly to ensure stability and homogeneity.

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