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Geolabs

Global

Specialist Mineral Processing & Testing Laboratory: Capability Statement

ABOUT US

Geolabs Global, provider of high quality mineralogical, metallurgical and comminution testing services to the global mining and metals industry. A fully equipped laboratory, located in Centurion South Africa, enables Geolabs to test a wide range of ore types, while maintaining high standards; ensuring that only the best quality results and interpretations are purveyed to clients.

DIVISIONS

- MINERALOGY
- METALLURGY
- FLOTATION
- MINERALS TRADE

SPECIALISATION

- LITHIUM ORE
- IRON ORE
- TANTALUM ORE
- HEAVY MINERAL SANDS
- GRAPHITE ORE

MINERALOGICAL

- Qualitative X-ray Diffraction (XRD)
- Quantitative XRD (Rietveld Refinement)
- Assay-Validated Quantitative XRD
- Clay Speciation XRD

METALLURGICAL

- Rock Crushing, Splitting and Milling
- Small and Large Scale Dry and Wet Screening
- Bond Ball and Rod Grindability Tests
- JK Drop Weight and SMC Tests
- Bond Low Energy Impact Test (CWi)
- Bond Abrasion Index Test (Ai)
- Geopyöra Rock Breakage Test
- Heavy Liquid Separation (SG 2.3 - 4.5)
- Shaking Table Tests
- Knelson Gravity Concentrator Test

FLOTATION

- Spodumene, Lepidolite and Petalite Flotation
- Graphite Flotation
- Iron-Ore Flotation
- Sulphide Flotation

MINERALS TRADE

- Independent Observation of Concentrate Declarations for Insurance and End-User