

SPECIALIST MINERAL PROCESSING & TESTING LABORATORY



COMPANY PROFILE

Geolabs Global is a leading 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

- ▶ **Metallurgy & Comminution**
- ▶ **Mineralogy**
- ▶ **Froth Flotation**
- ▶ **Leaching**

METALLURGY & COMMUNITION

- ▶ Rock Crushing, Splitting and Milling
- ▶ Small and Large Scale Dry and Wet Screening
- ▶ Bond Low Energy Impact Test (CWi)
- ▶ Geopyörä Rock Breakage Test
- ▶ Shaking Table Tests

MINERALOGICAL

- ▶ XRD: Qualitative, Quantitative, and Assay-Validated
- ▶ XRD: Clay Speciation

FLOTATION

- ▶ Gold, Copper, PGMs and Rare-Earths
- ▶ Other Sulphide and Oxide Flotation

MINERALS TRADE

- ▶ On site sampling and verification of mineral products before shipping.

- ▶ Bond Ball and Rod Grindability Tests
- ▶ JK Drop Weight and SMC Tests
- ▶ Bond Abrasion Index Test (Ai)
- ▶ Heavy Liquid Separation (SG 2.3 - 4.5)
- ▶ Knelson Gravity Concentrator Test
- ▶ Gold leaching (bottle roll CIL)
- ▶ SEM, Electron Microprobe, and LA-ICP-MS
- ▶ Optical Petrography
- ▶ Lithium: Spodumene, Lepidolite and Petalite Flotation
- ▶ Iron-Ore and Graphite Flotation

SPECIALISATION

- ▶ Gold and Silver Ore
- ▶ Chromite Ore and PGMs
- ▶ Columbite-Tantalite ore
- ▶ Heavy Mineral Sands
- ▶ Graphite Ore
- ▶ Rare earths
- ▶ Iron Ore
- ▶ Lithium Ore

WHY CHOOSE US?

- ▶ Quality results within short turnaround times
- ▶ technically Diverse team of experts
- ▶ Utmost respect for client confidentiality
- ▶ A results driven, energetic and motivated team
- ▶ The only specialist Li-mineral laboratory in Southern Africa
- ▶ Participated in numerous successful NI43-101 & JORC studies
- ▶ Competitive pricing
- ▶ Offers additional onsite sampling, training and support