

## 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?

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