



# FERTILIZERS

MINERALS SERVICES



# UNRIVALLED GLOBAL FERTILIZER EXPERTISE

## TECHNICAL EXPERTISE TO SUPPORT YOUR FERTILIZER OPERATION

Let SGS help you establish your competitive advantage by offering trustworthy and unbiased support to all aspects of your fertilizer operations. SGS's team approach effectively puts the resources of our entire global network at your disposal. Allow our technical expertise to help you reduce your financial and operational risk.

### EXPLORATION SERVICES

- Geological exploration services
- Project management
- Core drilling and logging
- Orebody modeling and resource estimation
- NI 43-101 & JORC Technical Reports

### ANALYTICAL SERVICES

- Geochemical analysis
- Proficiency testing programs
- Due diligence reviews

### PRE-FEASIBILITY & FEASIBILITY SERVICES

- Mobile laboratories
- Metallurgical flowsheet development and pilot plant testing
- Geometallurgy
- Process simulation
- Plant design services

### PRODUCTION SUPPORT

- On-site laboratories
- In-plant audits
- Advanced process and systems control
- Meter and tank calibration
- AHEAD asset management

### TRADE & INSPECTION SERVICES

- Quality inspection
  - Visual inspection
  - Hold & hatch inspection
  - Conditional and bunker survey
  - Marine services
  - On/Off hires
  - E-Reporting, E-Certificates
- Quantity assessment
  - Tally grading
  - Weight verification and draft survey
  - Stockpile inventory management
- Settlement and umpire services
- Loss prevention
- Warehousing and Collateral Management Agreements (CMA)

### SAMPLING SERVICES

- Sample collection and preparation
- Lot sub-sampling
- Manual sampling
- Mechanical sampling systems
- Chemical analysis

### ENVIRONMENTAL SERVICES

- Environmental studies, auditing and permitting
- Industrial hygiene
- Water usage and testing
- Water and effluent testing treatment and monitoring
- Land reclamation and mine closure planning
- Greenhouse gas emission verification

### CROP SERVICES

- Laboratory services
- Research services
- Fertility management

### AUDITING & CERTIFICATION

- ISO 9001:2008 (Quality)
- ISO 14001:2004 (Environmental)
- BS EN 16001:2009 (Energy)
- OHSAS 18001 (Health and Safety)
- SA 8000 (Social Accountability)
- SQA (Supplier Qualification)

Many SGS laboratories operate with ISO/IEC 17025 Scopes of Accreditation.



SGS is the global leader of quality and quantity testing services for the fertilizer industry. Our fertilizer capabilities apply to a wide range of commodities including:

- Phosphate fertilizers
- Phosphate rock
- Phosphoric acid
- Feed-grade phosphates
- Ammonium sulfate
- Ammonium nitrate
- Calcium nitrate
- Urea
- Potash
- Sulfur
- NPK
- Blended fertilizers
- Specialty fertilizers
- Fertilizer solutions
- Anhydrous ammonia

[MINERALS@SGS.COM](mailto:MINERALS@SGS.COM)  
[WWW.SGS.COM/FERTILIZER](http://WWW.SGS.COM/FERTILIZER)



[WWW.SGS.COM](http://WWW.SGS.COM)

WHEN YOU NEED TO BE SURE

**SGS**