

BARITE POWDER – Drilling Grade (API Spec 13A)

Description

Barite powder is a finely ground barium sulphate (BaSO_4) used as a weighting agent in drilling fluid systems. The product is designed to meet the requirements of API Spec 13A and is suitable for oil-based and water-based drilling fluids.

Application

Barite powder is chemically inert and is added to drilling fluids to increase mud density, control formation pressures, stabilize the borehole, and formulate kill fluids and barite plugs for well control operations.

Mixing and Handling

Barite powder can be mixed through a conventional mud hopper as rapidly as required. When adding large quantities, sufficient water or base fluid may be required to prevent dehydration and ensure proper wetting of particles.

Typical Physical Properties

Property	Typical Value
Appearance	Grey / off-white powder
Specific Gravity (API)	Min. 4.20
Moisture Content	Max. 1.0 %
Solubility	Insoluble in water and oil

API Spec 13A Barite Requirements

Parameter	Unit	Requirement
Specific Gravity	g/cm^3	Min. 4.20
Water-soluble alkaline earth metals (as Ca)	mg/kg	Max. 250
Residue > 75 μm (wet screen)	wt%	Max. 3
Particles < 6 μm (sedimentation)	wt%	Max. 30

Quality & Compliance

- Product is tested in accordance with API Spec 13A (latest edition).
- Each shipment is supplied with a Certificate of Analysis (COA) issued by an independent laboratory.

Packaging & Shipment

- 1500 kg Big Bags
- Store in a dry, well-ventilated area. Keep material as dry as possible.

Disclaimer

The values shown are typical and do not constitute a certificate of analysis. Results may vary depending on application and operating conditions.