

Product Data Sheet

Barytes — API Drilling Grade

Description

Description	API drilling grade barytes (barium sulphate, BaSO_4) is a high-density weighting material for oil and gas drilling fluids. Conforming to API 13A specifications, its high specific gravity (4.2+) and low soluble alkaline earth metals control formation pressure and stabilise the wellbore.
Applications	Used as a weighting agent in water- and oil-based drilling muds for oil and gas exploration and well control.
Used In	Oil & gas drilling fluids, well control, drilling mud

Key Benefits

- High specific gravity – SG 4.20+ (API 13A)
- Low iron (Fe_2O_3) and controlled soluble alkaline earth metals
- Precise mesh – residue controlled per API 13A
- Effective weighting and pressure control in drilling fluids
- Consistent lot-to-lot quality for field reliability

Chemical Analysis & Physical Data

Chemical Composition

Parameter	Specification (API 13A)
Specific Gravity (SG)	Min. 4.20
Barium Sulphate (BaSO_4)	Min. 90%
Iron Oxide (Fe_2O_3)	Low (per API 13A)
Soluble Alkaline Earth Metals (as Ca)	Max. 250 mg/kg
Residue > 75 μm (200 mesh)	Max. 3.0%
Wet Particles < 6 μm	Max. 30%

Physical Properties

Property	Specification
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Form	Fine powder
Standard	API 13A / ISO 13500
Specific Gravity	Min. 4.20
Moisture	Max. 1.0%
Origin	India

* Conforms to API 13A / ISO 13500 for drilling-grade barite. Test methods available upon request.

Packaging

- 25 kg / 50 kg PP / HDPE woven bags
- 1 MT / 1.25 MT Jumbo Bags (FIBC)
- Loose in bulk for large industrial / export orders
- Custom packaging available on request.

Storage & Handling

- Store in a dry, covered area protected from moisture and contamination
- Avoid dust generation; provide adequate ventilation
- Keep away from contaminants that could affect purity
- Handle with appropriate PPE to control dust

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Specifications vary by mine and lot; figures are typical values. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications.