

Technical Data Sheet

Barite Ore (Lump & Gravel)

Description

Natural, Barite ore, also known as Baryte or Barium Sulphate is a mineral with various industrial applications. Barite lumps are obtained from mines after mining process. Barite lumps of high purity applying for oil drilling mud. Barite lumps were grinded to fine powder used as weighing material to increase density of drilling fluids, it is most widely used drilling weight material due to its high specific gravity, it meets 100% compliance of API13A requirement, it does not react with other drilling fluids or hinder the functioning it is chemical inert and insoluble.

Physical Analysis

1	Appearance	Lump & Gravel
2	Color	Grayish White / Slight Beige White
3	Size of Lump & Gravel	On average 0.5– 4 inches
4	Specific Gravity / Density	4.1 – 4.35

Chemical Analysis

1	BaSO ₄	% age	90 -98
2	Carbonate as (CaCO ₂ , MgCO ₂)	%	1 - 1.5 Max
3	SiO ₂ as (Na ₂ SiO ₂) & other alkali metal salts NOT have heavy metals contamination	%	1 - 1.5 Max
4	Moisture	%	1.0 Max
Heavy Metal Analysis			
4	Cd	ppm	0.50 - 0.70 Max
5	Hg	ppm	0.01 - 0.05 Max
6	As	ppm	0.05 - 0.10 Max
7	Pb	%	0.05 - 0.1% Max
8	Fe	%	0.5 – 1.0 Max

Uses of Barite

1. Oil and Gas Industry (Drilling Fluids) ...
2. Medical Imaging (X-ray and CT Scans) ...
3. Paints and Coatings. ...
4. Rubber Industry. ...
5. Barium Chemicals Production. ...
6. Concrete and Construction Materials. ...
7. Agriculture (Pesticides and Fungicides)

Packaging

Shipped in loose cargo of lump & gravel in a 20' container or in a first used Jumbo bag weight net of 1250 – 1500 Kilogram

Origin: Pakistan