



Vaaidehi Minerals
We Add Value to your Products

An ISO 9001 :2008 Certified Company

Inspiring quality & performance for satisfying our customer needs is the #1 and only aim of our management team.



Vaaidehi Minerals is a part of nearly 10 years old Vaaidehi Group of companies.

We are engaged in processing & distribution of industrial minerals like Talc, Mica, Dolomite, Silica, Feldspar, Calcite, China Clay, Barites etc. and, Specialty chemicals like Zinc Stearate, Dibasic Lead Stearate, Calcium Stearate, Ca-Zn Stabilizer, Ca-Pb Stearate, PVC Stabilizer and Zinc Oxide etc.

We have an inhouse developed processing system with a capacity of processing 72,000 MT of material per annum.

Advantages to our Clients:

- ✚ Mining Advantages
- ✚ Processing Advantages
- ✚ Price Advantages
- ✚ Quality Assurance with
- ✚ Time Bound Delivery

Barite:

Barite or Barytes is chemically naturally occurring Barium Sulphate ($BaSO_4$) with nodular particle structure.

Most barite produced is used as a weighting agent in drilling muds. These high-density muds are pumped down the drill stem, exit through the cutting bit and return to the surface between the drill stem and the wall of the well. Barite is also used as a pigment in paints and as weighted filler for paper, cloth and rubber.

Supplied in White, Off-white and Grey color and it is a fine flow powder. It is insoluble in water and has low oil absorption. This coupled with strong crystalline structure and high refractive index helps it to impart strength. Combine that with its low hardness and its three directions of right angle cleavage, and the mineral can usually be reliably identified with just three observations. This makes it a very essential mineral in our day-to-day life.

Our Standard Barite Grades:

Barite Grades	VB - 42G325	VB - 38F200	VB - 35W200
Product Name	High gravity Barite for oil-well drilling	High quality Barite powder	Industrial Grade Barite Powder
Whiteness (%)	92%	94%	92%
Color	Grey	White	White
Specific Gravity	4.2	3.8	3.5
Moisture (%)	< 0.5	< 0.5	< 0.5
BaSO ₄ (%)	> 90%	95%	94%
Fe ₂ O ₃ (%)	< 1.0	< 0.5	< 0.5
Al ₂ O ₃ (%)	< 0.7	< 0.5	< 0.5
SiO ₂ (%)	< 0.5	2%	2% - 3%
MgO (%)	<0.2	< 0.2	< 0.2
LOI (%)	< 0.05	0.5 to 1.0	0.5 to 1.0
Oil Absorption	9 to 10	9 to 12	9 to 12
Water Soluble Solid	> 0.1%	> 0.5%	> 0.5%
Particle Size	325 mesh	200 mesh	200 mesh
Top cut (micron)	50	500 mesh	500 mesh
Applications	Oil well drilling	Paints, Plastics, Rubber, Paper & Glass	used as a filler in various industrial applications

Special Note : Barytes is a hard powder, so difficult to grind. It is always recommended to use pre micronized Barytes for outstanding results.

Barite Applications:

1. Barite in Paint industry: Used as filler in paint industries and construction chemicals for primer, undercoat and putties.
2. Barite in Plastic industry: Used as filler in plastics.
3. Barite in Paper industry: Barite is also used as a pigment in paints and as weighted filler for paper, cloth and rubber. The paper used to make some playing cards has barite packed between the paper fibers. This gives the paper a very high density that allows the cards to be "dealt" easily to players around a card table. Barite is used as weighting filler in rubber to make "anti-sail" mud flaps for trucks.
4. Barite in Oil-well drilling: The oil and gas industry is the primary user of barite worldwide. There it is used as a weighting agent in drilling mud. This is a growth industry, as global demand for oil and natural gas has been on a long-term increase. In addition, the long-term drilling trend is more feet of drilling per barrel of oil produced.

These high-density muds are pumped down the drill stem, exit through the cutting bit and return to the surface between the drill stem and the wall of the well. This flow of fluid does two things: 1) it cools the drill bit; and, 2) the high-density barite mud suspends the rock cuttings produced by the drill and carries them up to the surface.

5. Barite in Construction industry: Highly recommended for floor coatings, water proofing compounds, sealants etc.
6. Barite has the ability to block x-ray and gamma-ray emissions. Barite is used to make high-density concrete to block x-ray emissions in hospitals, power plants, and laboratories.



For more information please visit us @ www.vaaidehiminerals.com

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