



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, Quartz, 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

Quartz:

Quartz is a chemical compound consisting of one part silicon and two parts oxygen. It is the most abundant mineral found at Earth's surface and its unique properties make it one of the most useful natural substances. Quartz is the second most common mineral in the Earth's continental crust. It is made up of a lattice of silica (SiO₂) tetrahedra.

Its usefulness can be linked to its physical and chemical properties. It is chemically inert in contact with most substances. It has electrical properties and heat resistance that make it valuable in electronic products. Its luster, color and diaphaneity make it useful as a gemstone and also in the making of glass. This makes it a very essential mineral in our daily life.

Our Standard Quartz Grades:

Quartz Grades	VQ - 99N25	VQ - 99N200	VQ - 99W200	VQ - 99W300	VQ - 99S12	VQ - 99S16	VQ - 99SU5	VQ - 99SL
Product Name	Export Quality Quartz grains	Snow white quartz powder for paints	white quartz powder for paints	white quartz powder 300 mesh	Quartz grains for sodium silicate	High Quality Quartz grains	Quartz - Udaan Dust	Premium quality quartz lumps
Color	Snow White	Snow White	Super White	Super White	Semi White	Semi White	Semi White	Snow White
SiO ₂ (%)	99.9%	99.9%	99.9%	99.9%	> 99%	> 99%	> 99%	99.9%
Purity	99.9%	99.9%	99.9%	99.9%	> 99%	> 99%	> 99%	99.9%
Al ₂ O ₃ (%)	0.02	0.02	0.02	0.02	0.2	0.2	0.2	0.02
Fe ₂ O ₃ (%)	0.1 max.	0.1 max.	0.1 max.	0.1 max.	0.5 max.	0.5 max.	0.5 max.	0.1 max.
CaO (%)	0.02	0.02	0.02	0.02	0.2	0.2	0.2	0.02
MgO (%)	0.01	0.01	0.01	0.01	0.05	0.05	0.05	0.01
All Sizes available*	0.1 to 0.4 mm	200 mesh	200 mesh	300 mesh	0.6 to 1.2 mm	0.3 to 0.7 mm	500 mesh	Lumps

Excise	As Applicable
CST/VAT	2% CST against 'C' Form Otherwise 5%
Packing	50 Kg HDPE Bag
Freight	Extra
Offer Validity	5 Days
Payment	Advance, L/C, T/T

Note: Apart from the above grades, we do manufacture tailor made talc based upon clients' requirement.

Quartz Applications:

1. Glass Making: High purity silica sand (Quartz sand) is used in the glassmaking industry. Quartz sand is used in the production of container glass, flat plate glass, specialty glass and fiberglass.
2. Abrasive Material: Quartz is an excellent abrasive material. Quartz sands and finely ground silica sand are used for sand blasting, scouring cleansers, grinding media, and grit for sanding and sawing.
3. Foundry Sand: Quartz is very resistant to both chemicals and heat. With a melting temperature higher than most metals it can be used for the molds and cores of common foundry work. Refractory brick are often made of quartz sand because of its high heat resistance. Quartz sand is also used as a flux in the smelting of metals.
4. Petroleum Industry: Quartz sand has a high resistance to being crushed. In the petroleum industry sand slurries are forced down oil and gas wells under very high pressures in a process known as hydraulic fracturing. This high pressure fractures the reservoir rocks and the sandy slurry injects into the fractures.

The durable sand grains hold the fractures open after the pressure is released. These open fractures facilitate the flow of natural gas into the well bore.

5. Many Other Quartz Uses: Quartz sand is used as filler in the manufacture of rubber, paint and putty. Screened and washed, carefully sized quartz grains are used as filter media and roofing granules.

Quartz sands are used for traction in the railroad and mining industries. These sands are also used in recreation on golf courses, volleyball courts, baseball fields, children's sand boxes and beaches.



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

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