

**Barite**

Heavy Additive in oil-well-drilling, Paper and Rubber industries, Filler or Extender ( in cloth, ink, plastic products, Tire, Brake shoe and paper ), Pharmaceutical industries, Radiography (barium milkshake ), scavenger alloys in vacuum tubes, Deoxidizer for copper, Lubricant for anode rotors in X-ray tubes, spark-plug alloys, make an expensive White Pigment, Explosives, Ceramic and Glass industries, Chemical industries.

**IRANIAN BARITE ANALYSIS**

SiO <sub>2</sub>	0.11
Al <sub>2</sub> O <sub>3</sub>	0.68
CaO	0.25
Fe <sub>2</sub> O <sub>3</sub>	0.26
K <sub>2</sub> O	0.001
MgO	0.005
Na <sub>2</sub> O	0.01
TiO <sub>2</sub>	0.005
MnO	0.002
P <sub>2</sub> O <sub>5</sub>	0.002
C1	0.001
So <sub>3</sub>	34.20
BaO	56.50
SrO	7.79
PbO	0.001
G.S.	4.25

**Calcium Carbonate**

Cosmetic products industries, Fiberglass industries, Filler in (Rubber, Plastics, PVC, Resins, Paints, Cable, Welding Electrodes, Artificial Leather), Soaps, Detergents.

**IRANIAN CALCIUM CARBONATE SPECIFICATIONS**

	<b><u>STONE</u></b>	<b><u>POWDER</u></b>
01 ) CaCO <sub>3</sub>	98.5 %	98 %
02 ) Mg as MgO	0.30 %	0.23 %
03 ) Al as Al <sub>2</sub> O <sub>3</sub>	<0.04 %	<0.04 %
04 ) Fe as Fe <sub>2</sub> O <sub>3</sub>	0.01 %	0.03 %
05 ) SiO <sub>2</sub>	<0.1 %	<0.1 %
06 ) As	<0.00004 %	<0.00004 %
07 ) Pb	0.0003 %	0.0003 %
08 ) Loos On Ignition at 1000 ° C	43/8 %	43/8 %
09 ) Bulk Density	-	1.43 %
10 ) Size	10 - 60 mm	400 - 3500 mesh

## **DESCRIPTION**

Calcium Carbonate is one of the most important fillers and additives which is used in Rubber and Plastic industries with P.V.C ( Pipes and floorcoverings ), polyolefins, phenolic resins, polyester resins and epoxy resins. This wide range of consumption is because of economical benefits and improvement of physical properties.

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### **Feldspar**

Glass, Glaze and Ceramics and Glass industries, Pottery and Enamelware, Soaps, Abrasives, Bond for abrasive wheels, Cement and Concrete, Insulating compositions, Fertilizer, Poultry grit, Tarred roofing materials, sizing or filler in ( Paints, Tire, Textiles and Paper).

#### **FELDSPAR - A**

SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	Na <sub>2</sub> O	K <sub>2</sub> O	TiO <sub>2</sub>	L.O.I
68-72	15-18	0.1-0.2	1-2	0.1-0.2	7-9	0.3-0.6	0.3-0.5	1-2

#### **FELDSPAR - B**

SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	Na <sub>2</sub> O	K <sub>2</sub> O	TiO <sub>2</sub>	L.O.I
68-72	15-18	0.1-0.2	0.2-0.3	0.01-0.05	1-2	9-11	0.01-0.05	0.5-0.8

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### **Fluorspar**

(metallurgical, ceramic and acid grade)

Refractory and Foundry, treatment of Bauxite which is the one of alumina, Flux in open heart steel furnaces, metal Smelting, Carbon Electrodes, Emery Wheels, electrics Arc Welders ( Welding Electrodes), Toothpaste, Paint pigment.

#### **IRANIAN FLUORSPAR SPECIFICATIONS**

##### **1) Metallurgical Grade for Steel Plant, white cement.**

CaO effective	: 70 - 75 %
SiO <sub>2</sub>	: 5 - 6 %
S	: 0.25 % Max
Size	: 0 - 10 MM

Hadavi Corporation, Products

10 - 60 MM  
As your request  
Packing : Bulk-Big Bag

**2) Ceramic Grade for Enamel, Glaze, Ceramic, Glass, etc.**

Caf2 : 85 - 90 %  
Sio2 : 2 - 3 %  
S : 0.05 % Max  
P : 0.05 % Max  
Size : As you request  
Packing : Big Bag

**3) Acid Grade (powder) for Fiber Glass, Welding electrode, etc.**

Caf2 : 97 % Min  
Sio2 : 0.5 % Max  
S ; 0.03 % Max  
P : 0.03 % Max  
Size : As your Request  
25 - 50 Kg or Big Bag  
Packing ;

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**Mica**

(Muscovite Mica)

Filler in ( Cerement, htmhalt and Paints), in Oil-well-drilling, Concrete decoration.Plaints (increasing paint resistancy against moisture, Adhesion and Erosion), Join cement, Dusting agent, in Well-drilling mud's, Plastics, Roofing, Rubber, welding Electrodes.

**MICA SPECIFICATION**

SiO2 : 48 % Min  
Al2O3 : 32 % Min  
K2O : 08 % Min  
Na2O : 1.5 % Max  
Fe2O3 : 2.5 % Max  
CaO : 3.5 % Max  
SO3 : 0.4 % Max  
TiO2 : 0.2 % Max  
MgO : 0.3 % Max

**Quartz**

(Silica Sand)

Crystal quartz used as a Precious Gemstone. Industrial uses: Pressure Gauges, Oscillators, Resonators, wave Stabilizers, Heat-ray Lamps, Prism, Spectrographic Lenses, Glass manufacturing, Paints, Abrasives, Refractories, Precision Instrument, Sand Blast, Foundry Sands, Ceramics, Water Filtration, Component of Hydrolic Cements, Rubber reinforcing agent, Flatting agent in Paints, Thermal Insulator.

**IRANIAN CRYSTAL QUARTZ ANALYSIS:**

SiO <sub>2</sub>	: 99.9 % Min
Fe <sub>2</sub> O <sub>3</sub>	: Trace
Na <sub>2</sub> O	: Trace
K <sub>2</sub> O	: Trace
TiO <sub>2</sub>	: Trace