



PROFESSIONAL BARIUM & STRONTIUM DERIVATIVE SUPPLIER

天津鑫鑫和公司
TIANJIN SHANGSHUN COMPANY

Company Profile

Tianjin Port Free Trade Zone Shangshun International Trade Co.,Ltd.was established in 2007 at the free trade zone of Tianjin in China. Its primary focus was export and transit of Barium & Strontium derivative chemicals etc.and Natural Bitumen, Celestine, Chrome Ore import. Annual turnover over RMB 1 billion.

As the business grew steadily over the years, Shangshun has established some branch offices around the world to facilitate the business activities with its valuable clients.

Shangshun company is built on diverse and expert staff, experienced management, optimized logistics and comprehensive financial services. Today, Shangshun has a fully diversified product range. We are equally committed to the highest ethical standards, creating the bond of trust enjoyed with suppliers and customers alike.



Precipitated Barium Sulphate

Shangshun precipitated barium sulphate is a chemically precipitated, pure barium sulphate. It is resistant to water, acid, alkali and organic solvents as well as to light and to industrial waste gases. with main field as filler in paints, coatings, pigments, plastics, and as functional additive in batteries.

The outstanding advantages of Shangshun barium sulphate in these applications are

Narrow average particle size distribution

The Excellent gloss , whiteness and weather resistance index

The product name: Precipitated Barium Sulphate

The product quality: GB / T2899-2017

Index name		Standard
BaSO ₄ Content	% ≥	98.5
105 ℃ Volatile	% ≤	0.20
Water Solubles Content	% ≤	0.10
Fe Content	% ≤	0.003
Whiteness	≥	97
Oil Absorption	g/100g	10 — 20
pH Value	-	6.5 — 9.0
Fineness (45μm sieve residue)	% ≤	0.1
Sulphide (on S basis)	% ≤	0.002
D ₅₀	μm	0.6-1.0
Electric Conductivity (μS/cm)	≤	120

• Packing and Storage:

—25Kg paper bags or plastic woven bags with inner, or customized package.

—Store in dry and covered place.to achieve best possible results, we recommend storage under the conditions stated above and use within 12 months from delivery.

• Application recommendation:

– High quality powder coatings, electrophoretic paints and automotive coatings. can improve gloss, leveling property and mechanical properties of the coatings.

– Plastics, especially engineering plastics. it is the best choice for high quality plastic products due to its excellent transparency, gloss and processing properties.

– It can also be used in printing inks, electronics, paper making and rubber industry.



Barite

Paint Grade Barite Lump

Physical and chemical properties

The paint grade barite has BaSO₄ content of 96% minimum and has good chemical stability. Its high whiteness makes the product excellent in covering and ensures the purity and adjust-ability of the pigments. It shows high gloss, abrasion resistance, aging resistance, impact resistance, size stability when applied in all kinds of products. Besides, it can also increase the strength of products, absorb radiation and some other special performance.

Specific Gravity	4.35~4.40
Ba(+Sr)SO₄	≥96%
Whiteness(L Value)	94% min
pH Value	8.0±1.0
SiO₂	0.5%-1.2%
Heavy Metal	≤0.02%
Fe₂O₃	≤0.5%
Al₂O₃	≤0.5%
CaO	≤0.5%

Paint Grade Barite Powder

Appearance White powder

Specifications:

Index	325mesh	400mesh	650mesh	800mesh
Specific Gravity(g/cm³)	4.35~4.40	4.35~4.40	4.35~4.40	4.35~4.40
Particle Size(um)	D ₅₀ 9±1	D ₅₀ 7.5±1	D ₅₀ 5.5±0.5	D ₅₀ 4±0.5
	D ₉₇ ≤44	D ₉₇ ≤37	D ₉₇ ≤20	D ₉₇ ≤18
Whiteness(L Value)	94	94	96	96
Oil Absorption (g/100g)	8.0±2.0	8.0±2.0	10±2.0	10±2.0
pH Value	8.0±1.0	8.0±1.0	8.0±1.0	8.0±1.0
Ba(+Sr)SO₄%	≥97	≥97	≥98	≥98
Fe₂O₃%	≤0.2	≤0.2	≤0.2	≤0.2
Al₂O₃%	≤0.5	≤0.5	≤0.5	≤0.5
CaO%	≤0.5	≤0.5	≤0.5	≤0.5
Heavy Metal%	≤0.02	≤0.02	≤0.02	≤0.02
Water Soluble Salts%	≤0.2	≤0.2	≤0.2	≤0.2
Loss on Ignition%	≤0.5	≤0.5	≤0.5	≤0.5
Moisture%	≤0.3	≤0.3	≤0.3	≤0.3
Residue Greater than on 45(um)	≤0.05	≤0.02	≤0.01	0

Application

Widely used as body pigment in the paint industry such as topcoat, ready mixed paint, powder coating, high solid coatings, printing ink, latex paint and all kinds of industrial paints. In addition, it can be used as functional filler in plastics, ceramics, friction materials, anti-radiation materials and rubber products.

Packing In 25kg, 50kg or 1000kg woven bags with plastic liner inside, or as per buyer' s option.



Strontium Carbonate

Strontium Carbonate

CAS No.: 1633-05-2

Formula: SrCO_3

Strontium carbonate is white fine powder and wide range granular.

※ It is difficult to dissolve in water, slightly soluble in ammonia water, ammonium carbonate, insoluble in alcohol, soluble in ammonium chloride, ammonium nitrate.

※ It is the most widely used strontium derivative. owe to the versatility and non-hazardous nature, it is used in various fields of applications in Electronics, Metallurgy, Chemicals and Glass.

Shangshun is very honored as one of the largest Celestite ore supplier in China.

Specifications (Standard: HG / T 2969-2010):

Purity ($\text{SrCO}_3 + \text{BaCO}_3$)	98.0% min
BaCO_3 content	1.0% max
Sodium content (Na_2O)	0.3% max
Iron content (Fe_2O_3)	0.01% max
Chloride content(Cl)	0.12% max
Total Sulphur (SO_4)	0.35% max
Moisture	0.3% max
Chromic oxide (Cr_2O_3)	0.0005 max
Particle size (D_{50})	2 μm max

Application recommendation:

- (1)Glass substrates for displays and photovoltaic panel.
- (2)Ferrites for permanent magnets used in automotive electronic components and household appliances.
- (3)Purification of electrolytic zinc.
- (4)Ceramic frits and glazes.
- (5)Special glass.
- (6)Flame making and fluorescent material industry.
- (7)Raw material for the production of Strontium metal and other Strontium compounds.

Package and Storage:

25Kg mulprle plastic woven bags or 1000Kg jumbo bags, pallet with shrink-wrapped.

Store in dry and covered place.



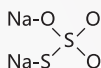
Sodium Thiosulphate

Sodium Thiosulphate

Chemical name: Sodium thiosulfate

CAS NO.: 7772-98-7

Structural formula:



Molecular formula: $\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$

Molecular weight: 248.17

Properties: monoclinic crystal, **Melting point :** 40-45°C, Relative density :1.729(17°C).

Specifications (HG/T 2328-2006):

Item	Excellent grade	First grade
Appearance	Colorless transparent crystal	Colorless transparent crystal
Main Content($\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$)	≥99.00%	≥98.00%
Water Insoluble matter	≤0.01%	≤0.03%
Sulfide	≤0.001%	≤0.003%
Fe	≤0.001%	≤0.003%
Sodium chloride	≤0.05%	≤0.20%
pH	6.5~9.5	6.5~9.5

Package: 25Kg/50Kg compound plastic woven bag with inner polythene liner.

Or 1000Kg jumbo bag.

Applications:

- (1)Used in fixers,plating,leather, reductant, dechlorinating agent.
- (2)Sulfur dyeing agent.
- (3)As a blush preventive agent.
- (4)As a disinfectant and decolor agent.

Shelf Life: One year

Storage & handing:

- (1)Store the product in a cool and dry place.
- (2)Prevent from direct sunlight, water and moisture.
- (3)Avoid contact with strong add oxidants.
- (4)Do not store it for long time.



Barium Carbonate

Barium Carbonate

Shangshun barium carbonate is industrial product. it is white powder, almost insoluble in water, soluble in alcohol, soluble in acid and ammonium chloride solution. it is manufactured from barite by reduction with petrol coke and following precipitation with carbon dioxide.

The outstanding advantages of Shangshun barium carbonate in the applications are:

High purity

Low total sulfur

Trace impurity substance

Outstanding bulk density

Purity	99.2% min
Total S as SO₄	0.25% max
Ignition residue of HCl insoluble	0.1% max
Bulk density	
Precipitated	1.21g/cm ³ max
Free flowing	1.48g/cm ³ min

Safety information:

UN NO. 1564

Hazard Class : 6.1

Packing Group : III

Application recommendation:

Powder type

Barium carbonate powder is used in the production of special glass, glazes, brick and tile industry, ceramic and ferrite industry.

also used for removing of sulfates in phosphoric acid production and chlorine alkali electrolysis.

Granular type

Barium carbonate granular is used for the production of display glass, crystal glass and other special glass, glazes, frits and enamels. also used in the other chemical industry.

Package:

25Kg or 50Kg plastic woven bags or 1000Kg jumbo bags, pallet with shrink-wrapped.

Store in dry and covered place.

天津鑫鑫和公司

TIANJIN SHANGSHUN COMPANY

Add: Room 1702/1703, Tianbao Cohesion Edifice,
2nd Street, Teda 300457, Tianjin, China.

Mob / WhatsApp: +86-13512870633

Tel: +86-22-65831679

Fax: +86-22-65835598

Skype: haoshuai120

Email: frank@tjshangshun.com

Website: www.tjshangshun.com

