

Industry grade potassium nitrate KNO₃



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Molecular formula: KNO₃

Molecular weight: 101.1

CAS NO.:7757-79-1

HS CODE: 28342190

Features and characteristics: Industrial grade potassium nitrate is colorless transparent square or rhombic crystal or white powder. It is easily soluble in water, liquid ammonia and glycerol, but insoluble in absolute ethanol and ether. It is not easy to deliquesce in the air and is a strong oxidant. Therefore, contact with reductant carbon, sulfur, titanium and other metal powders can lead to combustion or explosion. This requires us to pay attention to moisture-proof, ventilation and keep away from fire during the storage and transportation of potassium nitrate.

Inspection Items	Unit	Industrial superior grade	Industrial first grade
Purity	%≥	99.7	99.4
Moisture	%≤	0.10	0.20
Cl ⁻ Chloride(as Cl)	%≤	0.01	0.02
Sulphate(as SO ₄ ²⁻)	%≤	0.005	0.01

Insoluble Matter in Water	%≤	0.01	0.02
Fe	%≤	0.003	
Moisture absorption rate	%≤	0.25	0.30
K ₂ O	%≤		
Nitrogen(in nitrate)	%≤		
Particle Size	MM	0.2-2.5	2-5

Specification: Industrial / export grade potassium nitrate.

Type: round granulation, crystallization, non caking and caking.

Packaging: plastic woven bag or paper plastic composite bag, lined with plastic bag, net weight 25 / 50 / 500 / 1000kg

Application

Application: Industrial grade potassium nitrate is used in the field of gunpowder to manufacture fireworks, black gunpowder, matches, fuses, candle wicks and cigarette combustion supporting agents, and in the field of electronic products to manufacture color TV picture tubes and mobile phone display screens. It can also be used in medicine, chemical reagents and catalysts, ceramic glaze and glass in other fields.





Production equipment:

We, SHANXI BINGSHENG CHEMICAL CO.,LTD. is the leading manufacturer and supplier in China for the nitrate products. We have advanced equipment, the quantity of our product has reached the world leading level. Our products have reached and exceeded the standard level. Our company has independent operation right and import and export right.



Potassium nitrate production line of 170,000 tons / year using ion exchange process (high standard molten salt material))



Our products are sold to more than 20 provinces, cities and regions at home and exported to Southeast Asia, the Middle East, Europe, North America, South America and other countries and regions abroad. We are willing to go hand in hand with the majority of users and create brilliance with our products and services.

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