

Potassium Nitrate

Specifications

Property	Value
CAS Number	7757-79-1
Molecular Formula	KNO ₃
Molecular Weight	101.11
Appearance	White crystalline or powder

Item	High Pure	Superior Grade	Industry Grade
Assay (KNO ₃)	99.9% min	99.8% min	99.4% min
Moisture	0.10% max	0.10% max	0.10% max
Chloride (as Cl ⁻)	0.005% max	0.01% max	0.01% max
Insoluble	0.005% max	0.01% max	0.01% max
Sulfate (as SO ₄ ²⁻)	0.003% max	0.005% max	0.005% max
Iron (as Fe)	0.001% max	0.003% max	0.003% max

Applications

Potassium Nitrate is a colorless crystal or white powder. It is easily soluble in water and in liquid ammonia, but insoluble in anhydrous alcohol. It cannot deliquesce in the air. Potassium Nitrate is mainly used as a glass refining agent in the manufacture of TV glass and motor light glass. It is also used in the production of fireworks, black powder, various pharmaceuticals, catalyzers, ceramics and enamels, cigarette paper, concentrating agent, as chromogen agent, salt both of heat treatment.

Packaging

Packaged in 25/1000kg net weight polypropylene or polyethylene plastic bags, or as required by customer.

Storage and Handling

Store in a cool, dry, and well-ventilated location. Keep product sealed and away from incompatible materials. Avoid contact with eyes, skin, and clothing. Wear protective articles as appropriate. In case of contact, rinse cautiously with water for several minutes. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Consult a physician immediately if swallowed.