

SHANGHAI WENTONG CHEMICALS CO., LTD.

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TECHNICAL DATA SHEET

Commodity: Potassium Nitrate Powder

Molecular formula: KNO_3

CAS No.: 7757-79-1

Standard: GB/T 1918-1998

Packing: Plastic woven bag or kraft paper bag inner with plastic bag in 2 0/25/50/500/ 1000kg net.

Protection: Operators should wear protective smock including respirator and rubber gloves, etc. Be careful not to inhale the powder of potassium nitrate to protect respiration apparatus.

Handling and Storage: Store in a cool, ventilated and dry house, away from moisture, heat or kindling. Avoid mixing with organic compound or sulphur or reducer during storage and transportation in case of explosion. Protect the material from the sun and rain during transportation. Carefully load and unload in case of crash.

Applications: It is mainly applied in TV kinescope glass, glass refining agent and motor light glass; compound fertilizer and foliar spray fertilizer for crop and flower; fireworks to produce purple flame and black powder in mine, ignition wire and firecracker; drugs as penicillian potassium salt in medicine industry and catalyzer; ceramic and enamel; salt bath of heat treatment, cigarette paper, concentrating agent; conservatives in salted meat and chromogen in Food industry, etc.

Quality standard:

ITEM	STANDARD
PURITY	99.4% MIN
CHLORIDES (as Cl^-)	0.03%MAX
SULPHATE as SO_4	0.01%MAX
MOISTURE	0.10% MAX
CARBONATE as CO_3	0.43%MAX
IRON(Fe)	0.003%MAX
INSOLUBLE MATTER IN WATER	0.01%MAX
COLOR	WHITE

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