

Potassium nitrate technical with anticaking agent

Normative document: TU U 24.1-33270581-022:2009

Chemical formula: KNO_3

Application

According to its application potassium nitrate technical with anticaking agent is produced in the following grades:

grade B – in production of gunpowder, special mixtures and in agriculture as mineral fertilizer;

grade V – in manufacture of enamels, thermosalts, heat media, for decolorization and clarification of industrial glass, in agriculture as a mineral fertilizer, and also for retail trading.

Storage and transportation

Potassium nitrate technical with anticaking agent is stored in packages in closed warehouses.

Potassium nitrate technical with anticaking agent is transported in accordance with cargo carriage regulations applicable to a particular transportation mode:

by railway transport – in top covered r/w wagons;

by motor transport – in top covered transport facilities;

by marine and water inland transport – in closed cargo rooms or on decks of cargo vessels under shelter.

Loading, unloading, transportation and storage conditions must avoid contact of potassium nitrate technical with anticaking agent with combustible substances, mineral acids, potassium cyanide, rhodanides, and mixing with saw dust, resin, coal, turf and other organic substances to prevent auto ignition, fire and explosion.

Guaranteed storage life: 1 year from the date of manufacture.

Best before period is unlimited.

Specifications

Description	Value	
	Grade B	Grade V
Appearance	White crystals of yellowish-grayish colour	
Potassium nitrate, %, min	99,90	99,85
Water, %, max	0,08	0,1
Chloride salt as sodium chloride, %, max	0,017	0,03
Carbonate as potassium carbonate, %, max	0,01	0,01
Water insoluble residue, %, max	0,01	0,03
Substances oxidized with potassium permanganate as KNO_2 , %, max	0,01	0,01
Calcium and magnesium salts as Ca, %, max	0,002	0,02
Iron, %, max	0,005	–
Sulphonol, %	0,05–0,30	0,05–0,30
Petro-AG, %	0,05–0,20	0,05–0,20

Produced at OSTCHEM production site: PrJSC “SEVERODONETSK AZOT ASSOCIATION”