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# Potassium Nitrate commercial

GOST 19790-74

Properties	Grade A	Grade B	Grade C
KNO <sub>3</sub> content, %, min	99.9	99.9	99.85
Moisture content, %, max	0.08	0.08	0.1
Chlorides in terms of NaCl, %, max	0.017	0.017	0.03
Carbonic salts in terms of K <sub>2</sub> CO <sub>3</sub> , %, max	0.01	0.01	0.01
Insolubles, %, max	0.01	0.01	0.03
Compounds oxidized by KMnO <sub>4</sub> in terms of KNO <sub>2</sub> , %, max	0.01	0.01	0.01
Calcium and magnesium salts in terms of Ca, max	0.002	0.002	0.02
Iron, %, max	0.001	0.005	Non-standardized
Chrome, %, max	0.0005	Non-standardized	
Sulphanole, %, max	0.05-0.10	Non-standardized	
Particle size: retained on sieve No. 1K acc to GOST 6613, % retained on sieve No. 01K acc to GOST 6613, %, min	0 90	Non-standardized	
Friability, %	100	-	-

Note: The product absorbs moisture from the air. As a result of this it can very rapidly cake and thus harden under adverse conditions.

## Application:

- Diode industry and optical glass manufacturing for decolouration and dodging of the technical cut-glasses and stiffening of the glass ware
- For production of black powder, special pyrotechnics mixtures, enamels, thermostructures

## Classification:

- Classification Code: 5.1 (Oxidizing Agent)
- UN No: 1486

## Packing:

- 50, 25 kg polypropylene/polyethylene bags

## Guaranteed shelf life:

- Grade A – 1 year
- Grades B and C – unlimited