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Potassium Nitrate

Water-soluble chlorine-free nitrogen-potassium fertilizer

Properties	Grade CX with anti-caking agent	Grade B
Appearance	White crystals	
KNO ₃ content:		
- on dry basis, %, min		99.9
- in terms of Nitrogen, %, min	13.7	13.84
- in terms of Potassium (K/K ₂ O), %, min	38.3/46.2	38.56/46.45
Moisture content, %, max	0.2	0.08
Chlorine salt content, %, max	0.01	0.017
Carbonic salts in terms of K ₂ CO ₃ , %	0.01–0.8	max. 0.01
Insolubles, %, max	0.03	0.01
Solubility (in water at 25 ^o C), g/100 cm ³	37.9	37.9
Compounds oxidized by KMnO ₄ in terms of KNO ₂ , %, max	0.01	0.01
Calcium and magnesium salts in terms of Ca, %, max	0.02	0.002
Iron, %, max	0.001	0.005
Chrome, %, max	0.0005	0.0005
Micronutrients, mg/kg, max		
- zinc (Zn)/copper (Cu)	55/33	non-standardized
Toxic elements, mg/kg, max		
- mercury (Hg)/arsenic (As)/plumbum (Pb)/cadmium (Cd)	2.1/2.0/32/0.5	non-standardized
Particle size:		
Retained on sieve №. 1K acc to GOST 6613, %	4	0
Retained on sieve №. 01K acc to GOST 6613, %	90	90
Friability, %, min	100	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.

*depends on the type of anti-caking agent

APPLICATION:

- Suitable for all types of crops. Especially efficient for chlorine-sensitive plants (vegetables, fruits, flowers);
- Ideal for orchards, greenhouses and house plants;
- Suitable both for soil and foliar application;
- Produced from pure raw materials.

CLASSIFICATION:

Classification Code: 5.1 (Oxidizing Agent)

UN No: 1486

PACKING:

25 and 50 kg polypropylene/polyethylene bags

Guaranteed shelf life: unlimited

SAFETY: Easy to handle and store.



The eSDS complying REGULATION (EC) No 1907/2006 is available on www.URALCHEM-ASSIST.de