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Typical Product Specifications & Properties

Potassium Nitrate

CAS Number: : 7757-79-1

Specifications	Limits
Density	2.109 (16 c)
Moderately Soluble	in alcohol
Melting Point	334 c
Iodates	<= 5 ppm
Heavy metals (as Pb)	<= 5 ppm
Assay	>= 99.5%
pH of a 5% solution	4.5 - 8.5 (25°C)
Insoluble Matter	<= 0.005%
Nitrate	<= 0.001%
Phosphate	<= 5 ppm
Sulfate	< 0.003%
Iron (Fe)	<= 3 ppm





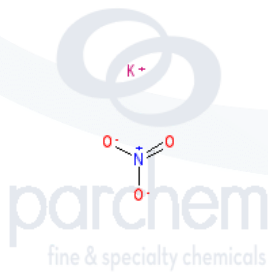
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Specifications	Limits
Calcium	<= 0.005%
Magnesium	<= 0.002%
Sodium	<= 0.005%
Water	0.5% (Internal)
Description	Colorless to white crystals
Odor	odorless, cooling pungent salty taste
Solubility	glycerin, water
Chloride (Cl)	<= 0.002%
Boiling Point	dec. 400 c
Molecular weight	101.11
Color	transparent colorless or white crystal or crystal powder
Chemical Structure	 <p>The chemical structure shows a central nitrogen atom (N) bonded to three oxygen atoms (O). One oxygen atom is double-bonded to the nitrogen, while the other two are single-bonded. A potassium ion (K+) is shown nearby. The structure is labeled with 'parchem fine & specialty chemicals'.</p>



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415 Huguenot Street, New Rochelle, New York 10801

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