



Product Specification

POTASSIUM NITRATE AR

PRODUCT CODE	614765
SYNONYMS	--
C.I. NO.	--
CASR NO.	(7757-79-1)
ATOMIC OR MOLECULAR FORMULA	KNO₃
ATOMIC OR MOLECULAR WEIGHT	101.10
PROPERTIES	Dissolves in water with a lowering of the temperature.

KNO₃



PARAMETER	LIMIT
Description	Colourless / white crystals / crystalline powder.
Solubility	10% solution in water is clear and colourless.
Identification	Passes test.
Minimum Assay (Ion-exchange)	99.5%
pH of (5% soln.)	5.0 – 8.0

MAXIMUM LIMIT OF IMPURITIES

Loss on drying (at 100°C)	0.5%
Insoluble matter	0.003%
Acidity (HNO ₃)	0.003%
Alkalinity	0.5 ml N/1%
Chloride (Cl)	0.001%
Phosphate (PO ₄)	0.0005%
Sulphate (SO ₄)	0.003%
Nitrite (NO ₂)	0.0001%
Ammonium (NH ₄)	0.001%
Arsenic (As)	0.0001%
Calcium (Ca)	0.0015%
Copper (Cu)	0.0001%
Iron (Fe)	0.0005%
Iodate (IO ₃)	0.00005%
Lead (Pb)	0.0001%
Magnesium (Mg)	0.0015%
Sodium (Na)	0.1%

Note(s) : 1] Assay (if applicable) method mentioned.



<p>WARNING</p> <p>Hazard statements : May cause respiratory irritation. May intensify fire; oxidizer. Harmful if swallowed. Causes mild skin irritation. Causes serious eye irritation. Toxic to aquatic life</p> <p>Precautionary statements</p> <p>Prevention : Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take any precaution to avoid mixing with combustible or incompatible materials. Keep away from heat.</p> <p>Response : If skin irritation occurs, seek medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. Wear eye/face protection. Specific treatment: refer to Label or MSDS.</p> <p>Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water.</p>	<p>IMDG Code : 5.1/III</p> <p>UN No. : 1486</p> <p>IATA : 5.1</p>
<p>Hazard Pictogram(s) :</p> <div style="display: flex; justify-content: space-around; align-items: center;"><div style="text-align: center;"><p>Skin irritation</p></div><div style="text-align: center;"><p>Oxidising</p></div></div>	