

SPECIFICATION : POTASSIUM NITRATE AR

Issue date	23/04/2018	Review date	22/04/2023	Location	All Units
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PRODUCT DETAILS

1	Molecular Formula	KNO ₃
2	Product code	P030
3	Molecular weight	101.1
4	CAS No	7757-79-1
5	Risk Statement No	8
6	Safety Statement No	17
7	UN No.	UN1486



PACKING DETAILS


	Product code	Pack size
1	P03110	500 g
2	P03112	2.5 Kg

PRODUCT SPECIFICATION

SL. No. TEST PARAMETERS

LIMITS

1	Description	Colourless crystals or white crystalline powder.
2	Clarity	10% Solution in water is clear and colourless.
3	Assay	Not less than 99.5%
4	pH (5% aqueous solution)	Between 5.5 and 8.0
5	Insoluble matter	Not more than 0.003%
6	Acidity (HNO ₃)	Not more than 0.003%
7	Alkalinity	Not more than 0.05%
8	Ammonium (NH ₄)	Not more than 0.001%
9	Chloride (Cl)	Not more than 0.0005%
10	Iodate & Nitrite	Not more than 0.00005%
11	Phosphate (PO ₄)	Not more than 0.0005%
12	Sulphate (SO ₄)	Not more than 0.003%
13	Arsenic (As)	Not more than 0.00004%
14	Calcium (Ca)	Not more than 0.0015%
15	Copper (Cu)	Not more than 0.0001%
16	Iron (Fe)	Not more than 0.0001%
17	Lead (Pb)	Not more than 0.0001%
18	Magnesium (Mg)	Not more than 0.0015%
19	Sodium (Na)	Not more than 0.01%

	LEONID CHEMICALS PVT. LTD.				
	FINE CHEMICAL				
Department: Quality Control		Document No: LCPL/QSD/QAD/11		SOP No.: DB/SOP/QC/11-P031	
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SAFETY SYMBOLS



Oxidizing