

Certificate of Analysis

Potassium nitrate

PurReagent, ≥99.5%

Product Number	PSR40091	CAS No.	7757-79-1
Brand	PureSynth	Lot No.	SAP04PC
Molecular Formula	KNO ₃	Date of Mfg.	April.2023
Molecular Weight	101.1 g/mol	Date of Exp.	March.2026

Test	Specification	Result
Appearance	White crystals	White crystals
Assay (By Titr.)	≥ 99.5 %	99.94 %
pH (at 25°C ,C=5% in H ₂ O)	4.5 - 8.5	5.6
Insoluble matter	NMT 0.005 %	0.002 %
Sulfate (SO ₄)	NMT 0.003 %	Conforms
Iron (Fe)	NMT 3 ppm	< 1.0 ppm
Magnesium (Mg)	NMT 0.002 %	< 0.001 %
Sodium (Na)	NMT 0.005 %	<0.001 %
Phosphate (PO ₄)	NMT 5.0 ppm	< 5.0 ppm

Condition: Store at room temperature and keep containers tightly closed in well-ventilated place.

Remark: The batch complies with the prescribed quality of the above specification.

Approved By
Head - Technical

This is a computer-generated report -does not required sign

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