

Product Specification

Product Name:

Potassium nitrate ACS grade, *PurReagent*, ≥99.0%

Product No.: PSR37511
Brand: PureSynth
CAS No.: 7757-79-1
Molecular Formula: KNO₃
Molecular Weight: 101.10 g/mol



Test	Specification
Appearance	White powder or crystals
Assay (by Titration)	≥ 99.0 %
Calcium (Ca)	NMT 0.005 %
Sodium (Na)	NMT 0.005 %
Magnesium (Mg)	NMT 0.002 %
Nitrite (NO ₂)	NMT 0.001 %
Iron (Fe)	≤ 3 ppm
Heavy metals (by ICP)	≤ 5 ppm
Insoluble matter	NMT 0.005 %
pH	4.5 – 8.5
Chloride (Cl)	NMT 0.002 %
Phosphate (PO ₄)	≤ 5 ppm
Sulphate (SO ₄)	NMT 0.003 %
Meets ACS requirements	Complies

Specification: PR-1.0-QA/206, Version No.: 1.2, 12.03.2026

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For queries on this Specifications, please contact our technical team at technical@pure-synth.com