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PureSynth®
Research Chemicals

Product Specification

Product Name:
Potassium Chloride, Pur*Reagent* Plus, meets analytical specification of USP, BP & EP, 99.0-100.5%

Product No.:	PSR44169
Brand:	PureSynth
CAS No.:	7447-40-7
Molecular Formula:	KCl
Molecular Weight:	74.55 g/mol



Test	Specification
Appearance	White Powder or Crystals
Assay (By Titration) (on Dried basis)	99.0 - 100.5 %
Solubility	Colourless Clear Solution
Loss on Drying (at 105°C)	NMT 0.5 %
Pharmacopeia Tests	Conforms
Identity Test	Complies
Acidity or Alkalinity	Complies
Barium (Ba)	Complies
Aluminium (Al)	NMT 1 mg/kg
Arsenic (As)	NMT 0.005 %
Bromide (Br)	NMT 0.1%
Calcium (Ca)	NMT 0.005 %
Cadmium (Cd)	NMT 1 mg/kg
Heavy Metals (as Pb)	NMT 5 mg/kg
Iron (Fe)	NMT 10 mg/kg
Iodide (I)	NMT 0.005 %
Lead (Pb)	NMT 2 mg/kg
Magnesium (Mg)	NMT 50 mg/kg
Mercury (Hg)	NMT 1 mg/kg
Sodium (Na)	NMT 700 mg/kg
Total Sulfur (as SO_4)	NMT 100 mg/kg
Residual Solvents	Complies

Specification No.: PR-1.0-QA/928

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