64683 Einhausen Marie-Curie-StraBe. 3, Germany
Website: www.pure-synth.com
Phone: 1800-8908-260
Email: info@pure-synth.com

PureSynth®
Research Chemicals

Certificate of Analysis

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

Product No.:	PSR44169
Lot No.:	Sample COA
Brand:	PureSynth
CAS No.:	7447-40-7
Molecular Formula:	KCl
Molecular Weight:	74.55 g/mol
Date of Mfg.:	NA
Date of Exp.:	NA

Test	Specification	Result
Appearance	White Powder or Crystals	White Crystals
Assay (By Titration) (on Dried basis)	99.0 - 100.5 %	99.98 %
Solubility	Colourless Clear Solution	Colourless Clear Solution
Loss on Drying (at 105°C)	NMT 0.5 %	0.125 %
Pharmacopeia Tests	Conforms	Conforms
Identity Test	Complies	Complies
Acidity or Alkalinity	Complies	Complies
Barium (Ba)	Complies	Complies
Aluminium (Al)	NMT 1 mg/kg	<1 mg/kg
Arsenic (As)	NMT 0.005 %	<0.005 %
Bromide (Br)	NMT 0.1%	<0.1%
Calcium (Ca)	NMT 0.005 %	<0.005 %
Cadmium (Cd)	NMT 1 mg/kg	<1 mg/kg
Heavy Metals (as Pb)	NMT 5 mg/kg	<5 mg/kg
Iron (Fe)	NMT 10 mg/kg	<10 mg/kg
Iodide (I)	NMT 0.005 %	<0.005 %
Lead (Pb)	NMT 2 mg/kg	<2 mg/kg
Magnesium (Mg)	NMT 50 mg/kg	<50 mg/kg
Mercury (Hg)	NMT 1 mg/kg	<1 mg/kg
Sodium (Na)	NMT 700 mg/kg	<700 mg/kg
Total Sulfur (as SO_4)	NMT 100 mg/kg	<100 mg/kg
Residual Solvents	Complies	Complies

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.
For queries on this COA, please contact our technical team at technical@pure-synth.com

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Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at a room temperature and keep the container tightly closed.

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

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