

Specification

Technical Data Sheet

CAS 7447-40-7	STORAGE Ambient	MOLECULAR WEIGHT 74.55
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PRODUCT**Potassium Chloride 99.5%**

Product number	90024525
CAS number	7447-40-7
Molecular formula	KCl
Molecular weight	74.55 g/mol

PARAMETER	SPECIFICATION
Appearance	White to Off-white crystalline powder
Loss on Drying	$\leq 1.0\%$ (3hrs, 105°C)
Acidity / Alkalinity	Pink colour is produced following the test in the USP monograph
Alkaline Earth metals (Ca)	$\leq 200\text{mg/kg}$ (ICP-AES)
Identity to Pharmacopeias	Identity confirmed in line with Ph.Eur. & USP (ICP-AES)
Iron (Fe)	$\leq 20\text{mg/kg}$ (ICP-AES)
Solubility	Freely soluble in water, practically insoluble in anhydrous ethanol.
Specification	Conforms to Ph. Eur., USP specifications
Aluminium (Al)	$\leq 1\text{mg/kg}$ (ICP-AES)
Assay (dried basis)	99.0 - 100.5%
Bromide and iodide	$\leq 1000\text{mg/kg}$ (ICP-AES)
Sodium (Na)	$\leq 1000\text{mg/kg}$ (ICP-AES)
Sulphates (SO₄)(2-)	$\leq 300\text{mg/kg}$ (ICP-AES)

**SPECIFICATION
STATEMENT**

The values stated above represent the standard specification for this product, issued under **Molekula Ltd**'s quality management system. Batch-specific results are provided on the Certificate of Analysis.

STORAGE

Store as indicated on the product label, away from light, moisture and incompatible materials.

Molekula Ltd would like to thank you for your support of our products and service.

Reg No 6879903 VAT GB 744 9721 05