

Specification

Technical Data Sheet

CAS 7447-40-7	STORAGE Ambient	MOLECULAR WEIGHT 74.55
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PRODUCT

Potassium Chloride GMP Grade

Product number	90037390
CAS number	7447-40-7
Molecular formula	KCl
Molecular weight	74.55 g/mol

PARAMETER	SPECIFICATION
Appearance	White to almost white powder
Assay	99.0 - 100.5% (Dried basis)
Loss on Drying	≤ 1.0% (3hrs, 105°C)
Acidity / Alkalinity	Corresponding to Ph Eur.
Alkaline Earth metals (Ca)	≤ 200mg/kg (ICP-AES, KCl)
Appearance of Solution	Corresponding to Ph Eur.
Bromide (Br-)	≤ 1,000mg/kg (ICP-AES, Br & I in KCl)
Identity to Pharmacopeias	Corresponds (ICP-AES)
Iodide	≤ 20mg/kg (ICP-AES, Br & I in KCl) (USP) ; Corresponds to Ph Eur. (ICP-AES)
Iron (Fe)	≤ 20mg/kg (ICP-AES, KCl)
Residual Solvents	meets ICH guideline CHMP/ICH/82260/2006 & test <467> of the USP
Solubility	Freely soluble in water, practically insoluble in anhydrous ethanol
Specification	Ph Eur,. USP
Aluminium (Al)	≤ 1mg/kg (ICP-AES, KCl)

PARAMETER	SPECIFICATION
Sodium (Na)	≤ 1,000mg/kg (ICP-AES, KCl)
Sulphates (SO₄)(2-)	≤ 300mg/kg (ICP-AES, KCl)

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.

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