

Specification

Technical Data Sheet

CAS 10034-99-8	STORAGE Ambient	MOLECULAR WEIGHT 246.48
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PRODUCT

Magnesium Sulfate Heptahydrate USP

Product number	90037146
CAS number	10034-99-8
Molecular formula	MgSO ₄ ·7(H ₂ O)
Molecular weight	246.48 g/mol

PARAMETER	SPECIFICATION
Appearance	White crystalline powder
Assay	99.0 - 100.5% (A- EP B- USP)
Identification	A) Mg B) SO ₄
Loss on Drying	48.0 - 52.0%
Loss on Ignition	40.0 - 52.0%
pH	5.0 - 9.2 (5% aq.)
Acidity / Alkalinity	≤ 0.2ml (0.1M HCl or 0.1M NaOH)
Appearance of Solution	Clear and colourless
Bacterial endotoxins	≤ 3IU/g
Chloride (Cl ⁻)	A) ≤ 300ppm (EP) B) ≤ 0.014% (USP)
Iron (Fe)	≤ 20ppm (A- EP B- USP)
Residual Solvents	Conforms to EP/USP
Solubility	Freely soluble in water, very soluble in boiling water and practically insoluble in ethanol
Arsenic (As)	≤ 2ppm
Selenium (Se)	≤ 30ppm

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.

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