

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-06-24 15:30:06
 Date of Next Testing: 2028-06-23 15:30:06
 Product Name: **Magnesium sulfate heptahydrate**
 CAS Number: 10034-99-8
 Specifications & Purity: PharmPure™, USP, BP, Ph.Eur., ≥99.5%(calc. to the dried substance)
 Lot #: F2523510
 SKU #: **M431161**
 Version: **1**
 Analysis #: **533934**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Titration by 0.1M EDTA)(alcd.on anh.substance)	99.5-100.5 (%)	99.99120 %
Chloride(Cl)	0-140 (ppm)	88.00000 ppm
PH (5%, water) 25 ° C	5.0-9.2	6.30000
drying loss (450°C)	48-52 (%)	49.50000 %
Iron(Fe)	0-20 (ppm)	0.00000 ppm
Arsenic traces(MHS-AAS)	0-2 (ppm)	0.00000 ppm
Lead(Pb)	0-4 (ppm)	0.00000 ppm
selenium traces(MHS-AAS)	≤ 30 (ppm)	0.00000 ppm
Appearance(M431161)	white or almost white, crystalline powder or brilliant, colourless crystals	white or almost white, crystalline powder or brilliant, colourless crystals
Solubility: freely soluble in water, very soluble in boiling water, practically insoluble in ethanol (96 per cent)	Pass	Pass
Appearance of solution(10g in 100ml H2O)	clear and colorless	Clear and colorless
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



QualityAssurance@aladdinsci.com

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager