



Certificate of Analysis

Magnesium Sulfate Anhydrous USP

Catalog Number: MS1006
Lot Number: 0613702
CAS Number: 7487-88-9
Molecular Formula: MgSO_4
Molecular Weight: 120.37
Storage: 15°C – 30°C
Date of Manufacture: October 20, 2016
Retest Date: October 19, 2021

Test	Specification	Result
Appearance	White to off-white powder or granules	Conforms
Assay	99.0 – 100.5%	99.48%
Identification	Gives reaction for Magnesium Gives reaction for Sulfate	Conforms Conforms
Solubility (100mg/mL H_2O)	Clear & colorless	Conforms
pH (50mg/mL)	5.0 – 9.2	9.16
Moisture (LOD)	$\leq 2.0\%$	0.61%
Chloride	$\leq 0.014\%$	$< 0.014\%$
Heavy Metals	$\leq 10\text{ppm}$	$< 10\text{ppm}$
Iron	$\leq 20\mu\text{g/g}$	$< 20\mu\text{g/g}$
Selenium	$\leq 30\mu\text{g/g}$	$< 30\mu\text{g/g}$
Residual Solvents: Water is the only solvent used during manufacture.		

Approved by:

Date: June 21, 2017

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