

PRODUCT : Magnesium Sulfate - USP
 SHELF LIFE: 3 Years
 LOT NUMBER: 774322
 MANUFACTURER DATE:09/26/23
 EXPIRATION DATE :09/26/26



USP Certificate of analysis

www.advatechgroup.com

I certify that this material meets all the requirements of the Advatech group Inc. sales specifications and the United States Pharmacopeia. Periodic testing has shown the samples to be consistently free of volatile organic impurities. Magnesium sulfate is manufactured under the guidelines Of Current Good Manufacturing Practices (cGMP).

EPSOM SALT, Magnesium Sulfate • Heptahydrate, USP

METHOD	TEST	LOWER	UPPER	Test Results
VISUAL	Appearance			Clear
USP 43	Limit of Chloride <221>	~	140 ppm	< 140 ppm
USP 43			20 ppm	< 20 ppm
USP 43	Limit of Iron <241> Selenium <291>	~	30 ppm	< 30 ppm
USP 43			10 ppm	< 10 ppm
USP 43	Heavy Metals (as Pb) <231> pH (5% Solution) <791>	5.0	9.2	5.86
USP 43	Loss on Ignition <733>	40.0	52.0	50.9%
USP 43	Assay, % MgSO4 (Dry Basis)	99 n	100 5	100 5%
Calculated from Assay & LOI	% MgSO4 (As is Basis)	47.52	60.3	49.4%
USP 43	ID, Magnesium <191> ID. Sulfate <191>			Positive
USP 43				Positive

SIGNATURE ON FILE

Advatech Group Inc.

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Tyler Decker

QC: Tyler Decker –

