



Better Magnesium. Better Brain.

Certificate of Analysis

Product Name Magtein®
Product Code T0700J
Batch # MLT-03530126
Manufacturer Date Jan 17, 2026
Expiration Date Jan 16, 2029

Physical	Specification	Results	Method
Appearance	White to off-white Powder	White	Visual
Odor	Characteristic	Characteristic	Organoleptic
Taste	Characteristic	Characteristic	Organoleptic
Solubility	Water Soluble	Conforms	Visual (1% at 25°C)
Color of Solution	Clear	Conforms	Visual (1% at solution)
Bulk Density	NLT 0.4 g/mL	0.74 g/mL	Graduated Cylinder
Particle Size	NLT 90% thru a US#20 NMT 60% thru a US#200	100% 27.16%	Ro Tap (3 min.)
Identification	Conforms to standard	Conforms	FTIR
Loss On drying	NMT 1.0%	0.41%	105°C, 4 hours

Analytical			
Assay	98.0%-102.0%	99.7%	Calculation
Magnesium	7.2%-8.3%	7.70%	ICP-OES
L-threonic Acid	82%-91%	89.7%	HPLC
pH	5.8-7.0	6.28	USP (1% in H2O)
Arsenic	NMT 1.0 ppm	<0.05 ppm	ICP-MS
Mercury	NMT 0.1 ppm	<0.01 ppm	ICP-MS
Lead	NMT 0.5 ppm	<0.05 ppm	ICP-MS
Cadmium	NMT 0.2 ppm	<0.02 ppm	ICP-MS
Oxalic Acid	NMT 1%	0.32%	AOAC
Residual Solvents	Ethanol NMT 5000ppm	63 ppm	GC-MS

Microbiology			
Total Plate Count	NMT 100 cfu/g	< 10 cfu/g	USP<2021>
Yeast and Mold	NMT 10 cfu/g	< 10 cfu/g	USP<2021>
E. Coli	Negative/10g	Negative	USP<2022>
Salmonella	Negative/25g	Negative	USP<2022>
S. Aureus	Negative/g	Negative	USP<2022>
Enterobacteria	Negative/g	Negative	USP<2022>

Gavin Ge

Approved by: Gavin Ge
6/8/2026, 11:20 AM

Storage: Keep in closed container, away from excess heat and light

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