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SPECIFICATION SHEET

Magnesium L-Threonate 98%

Product Name	Magnesium L-Threonate	**CAS No.**	778571-57-6
Molecular Formula	C8H14MgO10	**Molecular Weight**	294.50

Test Item	Specification	Test Method
Appearance	White to off-white powder	Visual
Odor & Taste	Characteristic	Organoleptic
Identification	Corresponds to RS	TLC
Assay (on dried basis)	≥ 98.0%	HPLC
Magnesium (Mg)	7.2% - 8.5%	ICP-OES
pH (1% solution)	5.8 - 7.0	USP <791>
Particle Size	NLT 90% through 80 mesh	USP <786>
Loss on Drying	≤ 5.0%	USP <731>
Residue on Ignition	≤ 5.0%	USP <281>
Lead (Pb)	≤ 0.5 ppm	ICP-MS
Arsenic (As)	≤ 0.5 ppm	ICP-MS
Cadmium (Cd)	≤ 0.5 ppm	ICP-MS
Mercury (Hg)	≤ 0.1 ppm	ICP-MS
Standard Plate Count	≤ 1,000 cfu/g	USP <2021>
Total Yeast & Mold	≤ 100 cfu/g	USP <2021>
E. coli (in 10g)	Negative	USP <2022>

Storage: Store in tightly sealed and preferably full containers in cool, dry and ventilated area.

Shelf Life: 24 months under above conditions, and kept in its unopened original packaging.

Prepared by: Mia Yu Approved by: Charlie Wang Date: Nov. 20, 2026