



Certificate of Analysis

Product name	Magnesium L-threonate	CAS	778571-57-6
Batch No	20260622ZYSM01	Quantity	1000 KG
Mfg date	22 Jun 2026		
Inspection date	22 Jun 2026	Report date	28 Jun 2026

Item	Specification	Result	Test method
Physical / Chemical Control			
Character	White or off-white powder	White powder	USP NF 2024
Loss on drying	$\leq 5.0\%$	2.4%	USP NF 2024 <731>
Magnesium content	$\geq 8.0\%$	8.25%	Titration
Magnesium L-threonate	$\geq 98.0\%$	99.8%	Titration
pH	5.8 - 7.0	6.79	GB/T 9724
Heavy metal	≤ 10 ppm	< 10 ppm	USP NF 2024 <231>
Pb	≤ 0.5 ppm	< 0.5 ppm	USP NF 2024 <251>
Cd	≤ 0.5 ppm	< 0.5 ppm	USP NF 2024 <231>
As	< 2 ppm	< 2 ppm	USP NF 2024 <211>
Hg	≤ 0.1 ppm	< 0.1 ppm	USP NF 2024 <261>
Microbiological Control			
Total plate count	≤ 1000 cfu/g	< 1000 cfu/g	USP NF 2024 <2021>/<2022>
Total Yeast & Mold	≤ 100 cfu/g	< 100 cfu/g	USP NF 2024 <2021>/<2022>
Staphylococcus aureus	Negative	Negative	USP NF 2024 <2021>/<2022>
Escherichia coli	Negative	Negative	USP NF 2024 <2021>/<2022>
Salmonella	Negative	Negative	USP NF 2024 <2021>/<2022>

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