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V2.01-2021

Certificate of Analysis

Product Information			
Product Name	Magnesium L - Threonate	Report Number	MLT20240337
Batch Number	MLT240312	Manufacture Date	2024/03/12
Batch Quantity	800Kg	Expiry Date	2026/03/11

Test Items	***Specifications***	***Result***
Appearance	White Fine Granular Powder, Odorless	Conforms
IR Identification	Infrared absorption spectrum of test and standard.	Conforms
Assay	98% ~ 102% (Titration)	99.51%
Solubility	Freely soluble in water, insoluble in Methanol, ethanol or ether.	Conforms
Loss on Drying	＜1.5%	0.73%
Specific optical rotation	+13.8°～ +17.0°	+16.5%
Bulk density	>0.4g/cc	0.55g/cc
pH	6.5 ~ 8.5	7.1
Magnesium	7.2% ~ 8.3%	8.09%
Residual Solvents	Ethanol ≤5000ppm	3270ppm
Lead (Pb)	<2.0mg/kg	Conforms
Arsenic (As)	<2.0mg/kg	Conforms
Cadmium (Cd)	<2.0mg/kg	Conforms
Mercury (Hg)	<0.1mg/kg	Conforms
Total Aerobic Count	≤ 1000cfu/g	170cfu/g
Yeast & Moulds	≤ 100cfu/g	10cfu/g
E-Coli	Negative	Conforms
Salmonella	Negative	Conforms

Conclusion	
Conclusion	To be complied with in-house Specification
Shelf Life	2 years when properly stored.
Storage	Store in cool & dry place, not freeze. Keep away from strong light.

Tested by: Checker: Approved: