

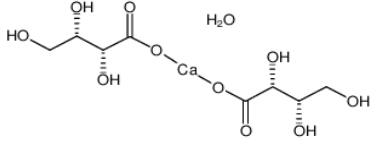


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CERTIFICATE OF ANALYSIS

Product Name	Calcium L-Threonate		
Molecular Formula	C ₈ H ₁₄ CaO ₁₀ ·H ₂ O		
Cas No.	70753-61-6	Quantity	1600kg
MFG. Date	2022.07.15	Batch No#	MLP-CL-20220715
Report Date	2022.07.21	Retest. Date	2024.07.14

Items	Requirements	Results
Description		
Appearance	A white fine granular powder, odorless and tasteless	Conforms
Solubility	Soluble in water, insoluble in methanol, ethanol and ether	Conforms
Identification		
Oxalic acid precipitation test	There is a white precipitate is generated,insoluble in acetic acid but soluble in hydrochloric acid	Conforms
Ferric chloride identification	Shows yellow-green	Conforms
¹ HNMR	Conforms to structure	Conforms
Tests		
Specific Rotation	+13.0°~ +16.0°	+14.3°
pH Value	6.0~8.0	6.9
Loss on Drying	≤1.5%	0.18%
Pb	≤2ppm	Conforms
As	≤3ppm	Conforms
Chlorid	≤0.5%	Conforms
Assay (On dried basis)	≥98.0%	99.2%
Conclusion: This product conforms to the standards		

Analyzed By:

检 1

Checked By:

检 2

Approved By:



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