

Certificate of Analysis

Product Name: **L-Methionine**

Specification: **USP**

Batch No.: **TR20250314**

Quantity: **10,000 KGS**

Production Date: **Mar 14-2025**

Expiry Date: **Mar 14-2027**

Items	Unit	Standard	Results
Appearance	-	White crystals or crystalline powder	Conforms
Assay	%	98.5~101.5	99.2
Identification	-	Infrared absorption	Conforms
Optical rotation	-	+22.4°~+24.7°	+23.8°
PH value (10mg/ml in water)	10mg/ml	5.6~6.1	5.87
Loss on drying (100-105°C)%	%	≤0.3	0.12
Residue on ignition	%	≤0.4	0.07
Sulfate	%	≤0.03	< 0.03
Chloride	%	≤0.05	< 0.05
Iron, %	%	≤0.003	< 0.003
Heavy metals	%	≤0.0015	< 0.0015
Chromatographic purity	%	Individual impurity ≤0.5 Total impurities ≤2.0	Conforms
Organic volatile impurities	-	Meets the requirements	Conforms
Arsenic	ppm	≤1	< 1

CONCLUSION: The goods conforms to USP40 Standard.

PACKING: 25 KGS/DRUM

STORAGE: Stored in a cool,dry environment,strictly prohibited storing and shipping with harmful toxic



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