

# Certificate of Analysis

## L-精氨酸

99%生物技术级

**Product Number:** MG54524  
**Batch Number:** MHJ01103JF  
**CAS Number:** 74-79-3  
**Molecular Formula:** C<sub>6</sub>H<sub>14</sub>N<sub>4</sub>O<sub>2</sub>  
**Molecular Weight:** 174.20  
**Quality Release Date:** 03/Nov/2024  
**Recommended Retest Date:** 02/Nov/2026  
**Storage At:** RT

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Test	Specification	Result
Appearance	White crystalline powder or crystalline	Conforms
Identification	The infrared absorption spectrum with this product should be consistent with the standard spectrum	Conforms
Specific rotation	+26.3°~+27.7°	+27.1°
Chloride	Not more than 0.05%	<0.05%
Sulfate	Not more than 0.03%	<0.03%
Iron	Not more than 30ppm	<30ppm
Chromatographic purity	Any other impurity ≤0.5%	Conforms
	Total impurity ≤2.0%	Conforms
Loss on Drying	Not more than 0.5%	0.4%

Residue on ignition	Not more than 0.30%	0.06%
Assay	≥99%	99.3%

**Zhenbang Lou, Manager**

**Quality Control**

**Beijing, China**