



MBCHEM TECHNOLOGY GROUP CO., LIMITED

Certificate of analysis

Product Name: L-Glutamine

Cat.No: MG0374

Paking: 25 Kg

Molecular formula: $C_5H_{10}N_2O_3$

Mfc date: 20250612

Reference standard: FCCIV

Exp date: 20270611

Lot No.: 20250612

Test Item And Result

Item		Specifications	Results
Appearance		White crystalline powder	白色粉末
Assay	%	98.0%~101.0%	99.15%
Specific rotation	$[\alpha]_{20D}$	$+6.3^{\circ} \sim +7.3^{\circ}$	$+6.8^{\circ}$
Heavy metals (Pb)	ppm	$\leq 10\text{ppm}$	$< 10\text{ppm}$
As	ppm	$\leq 3\text{ppm}$	$< 3\text{ppm}$
Loss on drying	%	$\leq 0.2\%$	< 0.06
Residue on ignition	%	$\leq 0.1\%$	< 0.05
Testing Reaction		呈正反应	符合规定

Conclusion

本产品符合愿检章规定

Date of analysis: 2025年6月14日