

CERTIFICATE OF ANALYSIS

Product Name:	L-Glutamine	Report Date:	Aug 04, 2017
Formula:	$C_5H_6N_2O_3$	Batch No.:	170802
CAS No.:	56-85-9	Manu. Date:	Aug 02, 2017
Inspection Standard:	FCCIV	Exp. Date:	Aug 01, 2019

RESULTS OF ANALYSIS

Test Items	Specifications	Results
Appearance	White crystalline powder	Conforms
Identification	A purple color appears	Conforms
Assay	98.5 to 101.5 %	99.8%
Heavy metals (Pb)	Not more than 10ppm	<10ppm
Loss on drying	Not more than 0.3%	0.05%
Residue on ignition(sulfated)	Not more than 0.1%	0.08%
Iron(Fe)	Not more than 0.003 %	< 30ppm
Specific rotation $[\alpha]_D^{25}$	+6.3 to +7.3°	+6.4°
Heavy metals (Pb)	Not more than 0.0015%	<3ppm
Conclusion:	Conforms to the specifications of FCCIV 质检专用章	

Analyst: **侯健之** Auditor: **辽薛兰** Chief of QC: **于铁梅**

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