



CERTIFICATE OF ANALYSIS

Date: 26/07/16

PRODUCT NAME : L-GLUTAMINE FOR BIOCHEMISTRY

CAS No : 56- 85- 9
Mol. Formula : $C_5H_{10}N_2O_3$
Mol. WT : 146.15
Exp. : June 2021

Product code : 23400
Batch No : MCR-12021
Mfd. : July 2016

S. R	Test	Specification	Observation
1	Assay($HClO_4$ titration)	99% min.	99.38%
2	Specifc rotation $[\alpha]^{20}_D$ (C=2,1 N HCl)	+31.5 ⁰ to +32.5 ⁰	+31.99 ⁰
3	Heavy metals (as Pb)	0.001% max	<0.001%
4	Iron (Fe)	0.001% max	<0.001%
5	Loss on drying at 110 ⁰ C	0.5% max	0.1%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

HEAD-QUALITY ASSUARANCE
(G.G.Salian)

Note: Computer generated image requires no sign.

MOLYCHEM Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai – 400 002 (INDIA)
Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442. Email : info@molychem.net
Works: Plot No. B/9, Badlapur M.I.D.C.,OPP.Shobhavat Textile Co.,
Kulgaon, Badlapur (E), Dist.-Thane-421 503