CERTIFICATE OF ANALYSIS

PRODUCT NAME : L- TRYPTOPHAN

CAS No	**: 73-22-3**	**Product code**	**: 19680**
Mol. Formula	**: $C_{11}H_{12}N_2O_2$**	**Batch No**	**: MCR-24063-01**
Mol. Wt	**: 204.23**	**Mfd.**	**: Feb. 2023**
Date of analysis	**: 16/02/23**	**Exp.**	**: Jan. 2028**

S. R	Test	Specification	Observation
1	**Description**	White to almost white powder	Almost white powder.
2	**Assay**	99% min	99.97%
3	**Heavy metals (as Pb)**	0.001% max	<0.001%
4	**Ammonium (NH_4)**	0.01% max	< 0.01%
5	**Loss on drying at 105^0C**	0.5% max	0.32%
6	**Chloride (Cl)**	0.01% max	<0.01%
7	**Sulphate (SO_4)**	0.01% max	<0.01
8	**Iron (Fe)**	0.001% max	<0.001
9	**Specific rotation$[\alpha]^{20}_D$ (C = 1,water)**	- 33 to -30^0	-31.5^0

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[[Tested By] **[QC Incharge]**

CHEMIST
(Deepa)

HEAD-QUALITY ASSURANCE
(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