



CERTIFICATE OF ANALYSIS

PRODUCT NAME : L- TRYPTOPHAN

CAS No : 73-22-3
Mol. Formula : C₁₁ H₁₂ N₂ O₂
Mol. WT : 204.23
Date of analysis : 14/12/19

Product code : 19680
Batch No : MCR-20360
Mfd. : Dec. 2019
Exp. : Nov. 2024

S. R	Test	Specification	Observation
1	Description	White to almost white powder	White powder.
2	Assay	99% min	99.84%
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 ⁰ C	0.5% max	0.17%
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[α] ²⁰ _D (C = 1,water)	- 33 to -30 ⁰	-31.5 ⁰

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**