

CERTIFICATE OF ANALYSIS

PRODUCT NAME : L-TRYPTOPHAN

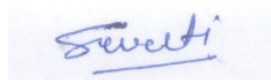
CAS No	: 73-22-3	Product code	: 19680
Mol. Formula	: C ₁₁ H ₁₂ N ₂ O ₂	Batch No	: MCR-31555
Mol. Wt	: 204.23	Mfd.	: July 2024
Date of analysis	: 25/07/24	Exp.	: June 2029

S.R	Test	Specification	Observation
1	Description	White to almost white powder.	Almost white powder.
2	Assay	99% min	99.74%
3	Heavy metals (as Pb)	0.001% max	<0.001%
4	Ammonium (NH₄)	0.01% max	< 0.01%
5	Loss on drying at 105⁰C	0.5% max	0.41%
6	Chloride (Cl)	0.01% max	<0.01%
7	Sulphate (SO₄)	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	-31.98 ⁰

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]



**CHEMIST
(Swati)**



**HEAD-QUALITY ASSURANCE
(G.G.Salian)**

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