



CERTIFICATE OF ANALYSIS

Date: 27/06/18

PRODUCT NAME : L- TRYPTOPHAN

CAS No : 73-22-3
Mol. Formula : $C_{11}H_{12}N_2O_2$
Mol. WT : 204.23
Exp. : May 2023

Product code : 19680
Batch No : MCR-16388
Mfd. : June 2018

S. R	Test	Specification	Observation
1	Description	White to almost white powder	White powder.
2	Assay	99% min	99.85%
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	0.4%
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 $[\alpha]_D^{20}$ (C = 1,water)	- 33 to -30 ⁰	-32 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.

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