



CERTIFICATE OF ANALYSIS

Date: 03/12/16

PRODUCT NAME : L- TRYPTOPHAN

CAS No : 73-22-3
Mol. Formula : $C_{11}H_{12}N_2O_2$
Mol. WT : 204.23
Exp. : Nov. 2021

Product code : 19680
Batch No : MCR-12743
Mfd. : Dec. 2016

S. R	Test	Specification	Observation
1	Assay	99% min	99.69 %
2	Heavy metals (as Pb)	0.001% max	<0.001%
3	Ammonium (NH ₄)	0.01% max	< 0.01%
4	Loss on drying at 105 ⁰ C	0.5% max	0.38
5	Chloride (Cl)	0.01% max	<0.01%
6	Sulphate (SO ₄)	0.01% max	<0.01
7	Iron (Fe)	0.001% max	<0.001
8	Specific rotation[α] _D ²⁰ (C = 1,water)	- 33 to -30	-30.98

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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