



CERTIFICATE OF ANALYSIS

Date: 27/01/13

PRODUCT NAME : L-TRYPTOPHAN

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

Product code : 19680
Batch No : MCR-6268
Mfd. : Jan. 2013

S. R	Test	Specification	Observation
1	Assay	99% min	99.02%
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	0.03%
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 $[\alpha]_D^{20}$ (C = 1, water)	- 33 to -30	-33

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.