

## Certificate of Analysis

Date of Testing: 2023-03-09 23:45:38

Date of Next Testing: 2027-03-08 23:45:38

Product Name: **L-Tryptophan**

CAS Number: 73-22-3

Specifications & Purity: 99%

Lot #: C23071110

SKU #: **T103480**

**Analysis: 196732**

Parameter	Limit Values	Result
Purity(as dry basis)	98.5-101.5 (%)	99.30%
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)	-36--29 (°)	-29.80°
Loss on drying(105°C)	0-0.5 (%)	0.01%
Appearance (T103480)	white to light yellow or beige powder	white to light yellow or beige powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



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QA & QC Manager