

CERTIFICATE OF ANALYSIS

Product Description L-TRYPTOPHAN
Product Number T851
Lot Number SWS0851003
Storage Temperature Room Temperature
Molecular Weight 204.2 g/mol
Formula $C_{11}H_{12}N_2O_2$
CAS Number 73-22-3

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 1 mg/mL	Passes
pH	Under Development	4.9
Physical Appearance Color* Texture	Under Development Fine Powder	PM-19 Off-White Fine Powder
Solution Appearance Clarity Color	Clear Colorless to Slight Yellow Tint	Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 5 min)	5 min
Insolubles	None	Passes

* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

Biological Testing:

Test Concentration: 100 mg/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultured lines with no morphological aberrations to plants	African Violet	Passes
	Ajuga	Passes

The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

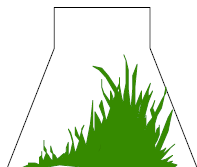
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Date of Release: 1-December-2017

Recommended Shelf Life Date: December-2025



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