

CERTIFICATE OF ANALYSIS

Product Description MELATONIN
Product Number M5520
Lot Number STS5520001
Storage Temperature -20°C
Molecular Weight 232.28
Formula C₁₃H₁₆N₂O₂
CAS Number 73-31-4

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Passes
pH	Under Development	5.7
Physical Appearance Color* Texture	Under Development	PM-4 White Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	For Information Only	10 min
Insolubles	None-Few	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 98.0%	99.71%

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

Biological Testing:

Test Concentration: 200.0 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	Echinacea	Passes
	Tobacco Callus	Passes

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

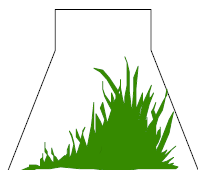
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Date of Release: 8-December-2017

Recommended Shelf Life Date: December 2020



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