

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 @ 200 mg/L	Passes
pH	Under Development	5.9
Physical Appearance		
Color*	Under Development	2143-70 Off-White
Texture	Under Development	Fine Powder
Solution Appearance		
Clarity	Under Development	Clear
Color	Under Development	Colorless
Insolubles	Under Development	None
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	Begonia	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.

PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.

Date of Release: 19-November-2024

Recommended Shelf-Life Date: May 2027

Prepared by: 
Alex Lambert
Lead Quality Control Laboratory Technician