

CERTIFICATE OF ANALYSIS

Product Description L-PROLINE, USP
Product Number P698
Lot Number 11B0698013
Storage Temperature Room Temperature
Molecular Weight 115.13
Formula $C_5H_9NO_2$
CAS Number 147-85-3

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	5.43
Physical Appearance Color* Texture	RM-1 to RM-3 or RM-31 Fine to Crystalline Powder that may have needle-like crystals	RM-31 White Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 1 min	Passes
Insolubles	None	Passes
Purity	Minimum 98.5%	99.3%
Moisture (LOD)	For Information Only	0.04%

* 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 cultures with no morphological aberrations to plants	Tobacco callus	Passes
	Syngonium	Passes

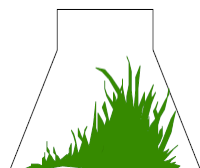
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

PhytoTechnology Laboratories® provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTechnology Laboratories 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.

Recommended Shelf Life Date: February 2019



Gary Seckinger, Ph.D.



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