

CERTIFICATE OF ANALYSIS

Product Description L-PROLINE
Product Number P698
Lot Number HYG0698033
Storage Temperature Room Temperature
Molecular Weight 115.13
Formula C₅H₉NO₂
CAS Number 147-85-3

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|--|--|----------------------------------|
| Solubility | Soluble in Water @ 10 mg/mL | Passes |
| pH | Under Development | 6.6 |
| Physical Appearance Color* Texture | PM-1 to PM-4 Fine to Coarse, Crystalline Powder | PM-1 White Crystalline Powder |
| Solution Appearance Clarity Color | Clear Colorless | Clear Colorless |
| Insolubles | None | Passes |
| FTIR | Conforms to Structure | Passes |
| Purity | Minimum 98.5% | 100.00% |

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

Biological Testing:

Test Concentration: 100.0 mg/L


| TEST SPECIFICATION | PLANT CELL LINE | RESULTS |
|--|-----------------------|---------|
| Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultures with no morphological aberrations to plants | Xanthi Tobacco Callus | Passes |
| | African Violet | 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 OR FURTHER MANUFACTURING ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.

Date of Release: 03-March-2026

Recommended Shelf-Life Date: March 2034

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