

CERTIFICATE OF ANALYSIS

Product Description POTASSIUM NITRATE
Product Number P100
Lot Number HCW0100166
Storage Temperature Room Temperature
Molecular Weight 101.10 g/mol
Formula KNO₃
CAS Number 7757-79-1

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|--|---|----------------------------------|
| Solubility | Soluble in Water @ 100 mg/mL | Passes |
| pH | 5.0-7.0 | 5.9 |
| Physical Appearance Color* Texture | PM-1 to PM-4 Crystalline Powder | PM-1 White Crystalline Powder |
| Solution Appearance Clarity Color | Clear Colorless | Clear Colorless |
| Average Time to Dissolve | For Information Only (Approx. 3 min) | Passes |
| Insolubles | None | Passes |
| Purity | Minimum 99.0% | 99.80% |
| Atomic Absorption | For Information Only | Passes |

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

Biological Testing:

Test Concentration: 1.90 g/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 | Perilla Fantasy | Passes |
| | Xanthi 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: 09-March-2023
Recommended Shelf Life Date: March 2031



David Hart
Technical Director

PhytoTech Labs Inc.
14610 W 106TH St. Lenexa, KS 66215
Phone: 1-888-749-8682 or 1-913-341-5343
Fax: 1-888-449-8682 or 1-913-341-5442
Phytotechlab.com