

CERTIFICATE OF ANALYSIS

Product Description POTASSIUM NITRATE
Product Number P100
Lot Number SVS0100133
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 | 5.8 |
| Physical Appearance Color* Texture | PM-1 to PM-4 Crystalline Powder | PM-1 Off- White Crystalline Powder |
| Solution Appearance Clarity Color | Clear Colorless | Clear Colorless |
| Average Time to Dissolve | For Information Only (Approx. 3 min) | 3 min |
| Insolubles | None | Passes |
| Purity | Minimum 99.0% | 99.20% |

* 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 | African Violet | Passes |
| | Ajuga | Passes |

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

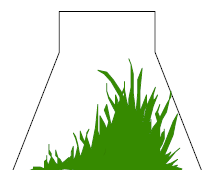
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Date of Release: 20-October-2017

Recommend Shelf-life Date: October-2025



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