

# CERTIFICATE OF ANALYSIS

Product Description POTASSIUM NITRATE  
Product Number P100  
Lot Number ACR0100135  
Storage Temperature Room Temperature  
Molecular Weight 101.10 g/mol  
Formula KNO<sub>3</sub>  
CAS Number 7757-79-1

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 100 mg/mL	Passes
pH	5.0-7.0	5.6
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%	99.80%

\* 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
	Sugar Cane	Passes

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

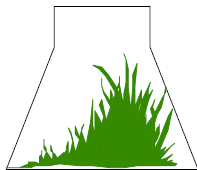
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Date of Release: 23-April-2018

Recommended Shelf Life Date: April 2026



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