

CERTIFICATE OF ANALYSIS

Product Description SILVER NITRATE
Product Number S169
Lot Number SXS0169008
Storage Temperature Room Temperature
Molecular Weight 169.89
Formula AgNO₃
CAS Number 7761-88-8

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 50 mg/mL	Passes
pH	Under Development	5.4
Physical Appearance Color*	2158-70 to 2162-70, PM-1 to PM-4	PM-1 Off-White
Texture	Crystals	Crystals
Solution Appearance Clarity	Clear	Clear
Color	Colorless	Colorless
Average Time to Dissolve	Within 3 min	3 min
Insolubles	None	Passes
Purity	Minimum 99.0%	99.00%

* 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 cultured lines with no morphological aberrations to plants	Hosta	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.

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.

Date of Release: 2-January-2018

Recommended Shelf Life Date: January 2026



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