

CERTIFICATE OF ANALYSIS

Product Description MANGANESE SULFATE, MONOHYDRATE
Product Number M250
Lot Number STS0250012
Storage Temperature Room Temperature
Molecular Weight 169.02
Formula $MnSO_4 \cdot H_2O$
CAS Number 10034-96-5

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	4.1
Physical Appearance Color* Texture	2092-70 to 2105-70 Fine Powder, may form clumps	2094-70 Light Pink Fine 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%	99.50 %

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

Biological Testing:

Test Concentration: 16.0 mg/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultured lines with no morphological aberrations to plants	African Violet	Passes
	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.

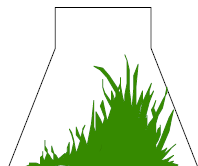
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Date of Release: 11-Aug-2017

Recommended Shelf Life Date: August 2025



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