

CERTIFICATE OF ANALYSIS

Product Description	MANGANESE SULFATE, MONOHYDRATE
Product Number	M250
Lot Number	SSS0250011
Storage Temperature	Room Temperature
Molecular Weight	169.02
Formula	MnSO ₄ •H ₂ O
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*	2092-70 to 2105-70	2094-70 Light Pink
Texture	Fine Powder, may form clumps	Fine Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Average Time to Dissolve	For Information Only (Approx. 3 min)	2 min
Insolubles	None	Passes
Purity	Minimum 99%	100 %

* 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.

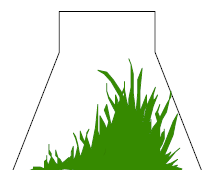
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Date of Release: 31-July-2017

Recommended Shelf Life Date: July-2025



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