CERTIFICATE OF ANALYSIS

Product Description MANGANESE SULFATE, MONOHYDRATE

Product Number M250

Lot Number 15L0250010

Storage Temperature Room Temperature

Molecular Weight 169.02

Formula MnSO₄•H₂O CAS Number 10034-96-5

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
рН	Under Development	4.2
Physical Appearance		
Color*	2092-70 to 2105-70	2093-70 Light Pink
Texture	Fine Powder, may form clumps	Fine Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
	For Information Only	
Average Time to Dissolve	(Approx. 3 min)	3 min
Insolubles	None	Passes
Purity	Minimum 99%	99.60%

^{*} Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color PreviewTM).

Biological Testing:

Test Concentration: 16.0 mg/L

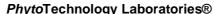
TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and/or facilitates plant growth and/or shoot proliferation in two or	Sugar Cane	Passes
more plant tissue cultured lines with no morphological aberrations to plants	Tobacco Callus	Passes

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

Phyto Technology 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. Phyto Technology 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.

Recommended Shelf Life Date: November 2023

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