

# CERTIFICATE OF ANALYSIS

Product Description FERROUS SULFATE, HEPTAHYDRATE  
Product Number F263  
Lot Number 16A0263015  
Storage Temperature Room Temperature  
Molecular Weight 278.02  
Formula  $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$   
CAS Number 7782-63-0

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10.0 mg/mL	Passes
pH	Under Development	3.8
Physical Appearance Color*	2030-70 to 2050-70 or 2030-60 to 2037-60	2036-60 Green
Texture	Crystalline Powder	Crystalline Powder
Solution Appearance Clarity Color	Clear Colorless to Slight Green Tint	Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 1 min)	1 min
Insolubles	None	Passes
Purity	Minimum 99.0%	101.3%

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

## Biological Testing:

Test Concentration: 27.0 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	Echinacea	Passes
	Dianthus Artic Fire	Passes

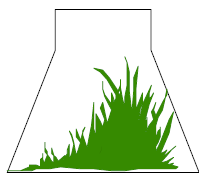
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

**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.**

Recommended Shelf Life Date: January 2024



Gary Seckinger, Ph.D.



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### **PhytoTechnology Laboratories®**

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Created on 8 February 2016 JN