

CERTIFICATE OF ANALYSIS

Product Description FERROUS SULFATE, HEPTAHYDRATE
Product Number F263
Lot Number HRT0263028
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 mg/mL	Passes
pH	Under Development	3.6
Physical Appearance Color*	2030-70 to 2050-70 or 2030-60 to 2037-60	2035-70 Pale Blue
Texture	Crystalline Powder	Crystalline Powder
Solution Appearance Clarity	Clear	Clear
Color	Colorless to Slight Green Tint	Slight Green Tint
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 99.0%	101.60%
Atomic Absorption	Under Development	0.367 AU

* 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	Perilla Fantasy	Passes
	Xanthi 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.

PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. 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: 24-November-2025

Recommended Shelf-Life Date: November 2033

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