

CERTIFICATE OF ANALYSIS

Product Description FERRIC SULFATE, HYDRATE
Product Number F388
Lot Number HAW0388004
Storage Temperature Room Temperature
Molecular Weight 399.89 + x(18.01)
Formula $\text{Fe}_2(\text{SO}_4)_3 \cdot x\text{H}_2\text{O}$
CAS Number 10028-22-5

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	2.1
Physical Appearance Color*	2020-50 to 2024-50 or 2021-40 to 2024-40	2022-50 Pale Yellow
Texture	Fine to Coarse Powder	Coarse Powder
Solution Appearance Clarity Color	Clear to Slightly Hazy Yellow to Yellow-Orange	Clear Yellow-Orange
Average Time to Dissolve	For Information Only (Approx. 5 min)	Passes
Insolubles	None to Fine	Passes- None
Purity	Minimum 70.0%	75.40%

* 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 cultures with no morphological aberrations to plants	Xanthi Tobacco Callus	Passes
	Achimenes	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: 07-July-2023

Recommended Shelf-Life Date: July 2031



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