

# CERTIFICATE OF ANALYSIS

Product Description FERRIC CHLORIDE, HEXAHYDRATE  
IRON(III) CHLORIDE  
Product Number F383  
Lot Number HTE0383008  
Storage Temperature Room Temperature  
Molecular Weight 270.32  
Formula  $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$   
CAS Number 10025-77-1

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Passes
pH (0.027 g/L)	Under Development	2.0
Physical Appearance Color*	2017-40 to 2021-40, 2155-10 to 2155-50, HC-7, or HC-10	2017-40 Orange
Texture	Crystals to Crystalline Powder	Crystals
Solution Appearance Clarity Color*	Clear Yellow to Orange	Clear Yellow
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 97.0%	99.30%
Atomic Absorption	Under Development	0.688 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
This product is commonly used as a means of support in plant tissue culture. This product is tested with two or more plant cell lines to ensure proper gelling and that no phytotoxic impurities are present that would produce abnormal morphological plant development.	African Violet	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: 13-December-2024

Recommended Shelf-Life Date: December 2032

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