

CERTIFICATE OF ANALYSIS

Product Description FOLIC ACID, USP GRADE
Product Number F430
Lot Number HAW0430006
Storage Temperature Room Temperature
Molecular Weight 441.45
Formula $C_{19}H_{19}N_7O_6$
CAS Number 59-30-3

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in 1N KOH @ 1 mg/mL	Passes
Physical Appearance Color*	2018-10 to 2022-10, 2018-20 to 2022-20, or 2018-30 to 2022-30,	2020-30 Orange
Texture	Fine Powder; May have clumps	Fine Powder
Solution Appearance Clarity Color	Clear Colorless to Yellow Tint	Clear Yellow Tint
Average Time to Dissolve	Approx. 1 min	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 95.0%	98.04%

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

Biological Testing:

Test Concentration: 0.5 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: 31-July-2023
Recommended Shelf-Life Date: July 2031



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