

CERTIFICATE OF ANALYSIS

Product Description FOOD COLOR, YELLOW; FD&C GRADE
Product Number F321
Lot Number 03L32101
Storage Temperature Room Temperature
Molecular Weight 534.37
Formula $C_{16}H_9N_4Na_3O_9S_2$
CAS Number 1934-21-0

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	5.0
Physical Appearance Color*	2013-20 to 2016-20 or 2013-30 to 2016-30	2015-20 Orange
Texture	Fine to Coarse Powder	Fine Powder
Solution Appearance Clarity Color	Clear Dark Yellow to Yellow	Clear Yellow
Average Time to Dissolve	For Information Only (Approx. 5 min)	Passes
Insolubles	None	Passes

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

Biological Testing:

Test Concentration: 100.0 mg/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
This product is tested with two or more plant cell lines to ensure there are no phytotoxic impurities that would cause morphological aberrations to plants	Tobacco Callus	Passes
	Begonia	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: 20-April-2020

Recommended Shelf Life Date: April-2025



David S. Hart
Technical Services Manager

PhytoTech Labs Inc.
14610 W 106TH St. Lenexa, KS 66215
Phone: 1-888-749-8682 or 1-913-341-5343
Fax: 1-888-449-8682 or 1-913-341-5442
Phytotechlab.com