

# CERTIFICATE OF ANALYSIS

Product Description INDIGO CARMINE  
Product Number I4068  
Lot Number 12E4068001  
Molecular Weight 466.35  
Formula  $C_{16}H_8N_2Na_2O_8S_2$   
CAS Number 860-22-0  
Storage Temperature Room Temperature

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 1mg/mL	Passes
pH ( g/L)	Under Development	5.6
Physical Appearance Color* Texture	Under Development Fine Powder	2128-20 Dark Purple Fine Powder
Solution Appearance Color Clarity	Under Development Opaque	Dark Blue Opaque
Average Time to Dissolve	Within 10 minutes	Passes
Insolubles	None	Passes
Purity	Minimum 95.0%	99.0%
FTIR	Conforms to Structure	Passes

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

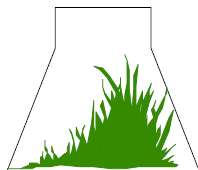
The material described in this certificate is synthetic in nature. No animal- or plant-derived components were used in the manufacture of this product.

**PhytoTechnology Laboratories® provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTechnology Laboratories® 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.**

Recommended Shelf Life Date: July 2021



Gary Seckinger, Ph.D.



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