

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-07-03 16:58:50

Date of Next Testing: 2028-07-02 16:58:50

Product Name: **Indigo carmine**

CAS Number: 860-22-0

Specifications & Purity: $\geq 90\%$

Lot #: F2425295

SKU #: **I105011**Version: **1**Analysis #: **380463**

Parameter	Limit Values	Result
Wavelength(UV)	603-613 (nm)	609.00 nm
Loss on drying	0-10 (%)	0.00 %
Extinction	≥ 350	477.00
Coefficient(1%/1cm)(1) (uv) (solvent,H2O)		
Appearance (I105011)	Dark Blue to Very Dark Blue and Dark Purple to Very Dark Purple and Blue-Purple Powder	Dark Blue to Very Dark Blue and Dark Purple to Very Dark Purple and Blue-Purple Powder
PH Transition interval,11.5(blue) – PH 14.0(yellow)	Conforms	Conforms
Solubility in MeOH , Blue to pass very Deep Blue,0.01g/ 10ml		Pass
TLC	corresponds to standard	corresponds to standard

John Su
QA & QC Manager