

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-28 16:52:28
 Date of Next Testing: 2029-07-27 16:52:28
 Product Name: **Indigo carmine**
 CAS Number: 860-22-0
 Specifications & Purity: $\geq 90\%$
 Lot #: G2523353
 SKU #: **I105011**
 Version: **2**
 Analysis #: **540731**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Wavelength(UV)	603-613 (nm)	611.00000 nm
Loss on drying	0-10 (%)	0.00000 %
Extinction	≥ 350	411.23596
Coefficient(1%/1cm)(1) (uv) (solvent,H2O)		
Purity(HPLC)	90-100 (%)	92.00100 %
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



John Su
QA & QC Manager