

Certificate of Analysis

Date of Testing: 2023-12-19 10:03:28

Date of Next Testing: 2027-12-18 10:03:28

Product Name: **Indigo carmine**

CAS Number: 860-22-0

Specifications & Purity: 90.0%

Lot #: L2315067

SKU #: **I105011**

Analysis: 306429

Parameter	Limit Values	Result
Wavelength(UV)	603-613 (nm)	612.00 nm
Loss on drying	0-10 (%)	5.94 %
Extinction Coefficient(1%/1cm)(1) (uv) (solvent,H2O)	≥350	350.00
Appearance (I105011)	Purple to Dark Purple Powder or Crystal or Chunks	Purple to Dark Purple Powder or Crystal or Chunks
PH Transition interval,11.5(blue) – PH 14.0(yellow)	Conforms	Conforms
Solubility in MeOH , Blue to very Deep Blue,0.01g/ 10ml	pass	Pass
TLC	corresponds to standard	corresponds to standard



John Su
QA & QC Manager