

Certificate of Analysis

Date of Testing: 2023-01-29 15:29:13

Date of Next Testing: 2027-01-28 15:29:13

Product Name: **Indigo carmine**

CAS Number: 860-22-0

Specifications & Purity: 90.0%

Lot #: A2312051

SKU #: **I105011**

Analysis: 180897

Parameter	Limit Values	Result
Wavelength(UV)	603-613 (nm)	610.00 nm
Loss on drying	0-10 (%)	3.32 %
Extinction Coefficient(1%/1cm)(1) (uv) (solvent,H2O)	≥350	357.00
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