

## Certificate of Analysis

Date of Testing: 2024-03-06 11:25:12

Date of Next Testing: 2028-03-05 11:25:12

Product Name: **Indigo carmine**

CAS Number: 860-22-0

Specifications & Purity: 90.0%

Lot #: F2005135

SKU #: **I105011**

**Analysis: 326429**

Parameter	Limit Values	Result
Wavelength(UV)	603-613 (nm)	610.00 nm
Loss on drying	0-10 (%)	3.86 %
Extinction Coefficient(1%/1cm)(1) (uv) (solvent,H2O)	≥350	355.00
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