

## Certificate of Analysis

Date of Testing: 2022-02-08 13:38:29

Date of Next Testing: 2026-02-07 13:38:29

Product Name: **Indigo carmine**

CAS Number: 860-22-0

Specifications &amp; Purity: 90.0%

Lot #: A2224154

SKU #: **I105011****Analysis: 071262**

Parameter	Limit Values	Result
Wavelength(UV)	603-613 (nm)	607.00 nm
Loss on drying	0-10 (%)	5.83 %
Extinction Coefficient(1%/1cm)(1) (uv) (solvent,H2O)	≥350	354.00
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