

## Certificate of Analysis

Date of Testing: 2023-06-25 16:23:31  
Date of Next Testing: 2027-06-24 16:23:31  
Product Name: **Indigo carmine**  
CAS Number: 860-22-0  
Specifications & Purity: 90.0%  
Lot #: F2315260  
SKU #: **I105011**  
**Analysis: 244916**

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	450.00
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