

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: Indigo carmine,AR,90.0%

ITEM NUMBER: I105011  
BRAND: Aladdin  
CAS NUMBER: 860-22-0  
MDL NUMBER: MFCD00005723  
FORMULA: C<sub>16</sub>H<sub>8</sub>N<sub>2</sub>Na<sub>2</sub>O<sub>8</sub>S<sub>2</sub>  
MOLECULAR WEIGHT: 466.35

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	Purple to Dark Purple Powder or Crystal or Chunks		
Extinction Coefficient(1%/1cm)(1) (uv)(solvent,water)			>=350
Loss on drying	0 %	10 %	10 %
Solubility in Methanol	Blue to very Deep Blue,0.01g/ 10ml		
TLC	corresponds to standard		
Visual transition interval(pH)	11.5(blue) - PH 14.0(yellow)		
Wavelength(1) (uv)	603 nm	613 nm	613 nm