

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Indigo carmine,96% , indicator (pH 11.5-14.0)

ITEM NUMBER: I105009
BRAND: Aladdin
CAS NUMBER: 860-22-0
MDL NUMBER: MFCD00005723
FORMULA: C₁₆H₈N₂Na₂O₈S₂
MOLECULAR WEIGHT: 466.35

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	Blue to Dark Blue and Purple to Dark Purple Powder		
Loss on drying	0 %	10 %	10 %
Proton NMR spectrum	Conforms to Structure		
Purity(HPLC)	96 %	100 %	100 %
Solubility in Methanol	Blue to very Deep Blue,0.01g/ 10ml		
Visual transition interval(pH)	11.5(blue) - PH 14.0(yellow)		
max(Water)	603 nm	613 nm	613 nm