



CERTIFICATE OF ANALYSIS

Product	Indigo carmine
Grade	Indicator
Product Code	IB0532
Formula	$C_{16}H_8N_2Na_2O_8S_2$
MW	466.4
CAS#	860-22-0
Lot No	

Test Items	Specifications	Results
Appearance	Dark blue to purple powder	
Dye content (dried basis)	≥80.0%	
Loss on drying	≤5.0%	
Visual Transition Interval	From pH 11.5 (Blue) To pH 14.0 (yellow)	
Aqueous solubility	1 g in 100 ml at 25 °C	
Subsidiary dyes, excluding disodium 3,3-dioxo 2,2'-bi-indolylidine-5,7'-disulfonate	≤1.00%	
Dye intermediates	≤0.50%	
Arsenic	≤8 ppm	
Lead	≤0.001%	
Sulfur	13.0 – 14.0%	
Mercury	≤1.00 mg/kg	
Cadmium	≤1.00 mg/kg	
Heavy metals	≤40.00 mg/kg	

Storage: R.T.