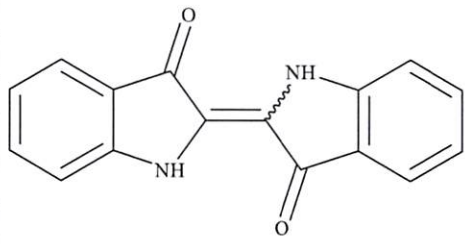


Certificate of Analysis



Certificate No.: **20260602007**

Date: June 2, 2026

Retest date: May 28, 2029

Compound Name:	Indigo	
Synonyms:	[2,2'-biindolinylidene]-3,3'-dione	
TLC Catalogue Number:	I-073008	
CAS Number:	482-89-3	
Alternate CAS Number:	N/A	
Molecular Weight:	262.27	
Molecular Formula:	C ₁₆ H ₁₀ N ₂ O ₂	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	7245-069A1	
Storage Conditions:	Store at 2-8 °C	
Solubility:	DMSO, DMF	

Test Description	Specifications	Results
Visual Description	Black solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	98.2%
Impurity (HPLC)	RT 1.18, 0.22%; RT 11.73, 0.85%; RT 18.28, 0.20%	
Water Content (KF)	N/A	0.8%
Residual Solvents (NMR)	0.7% dimethylformamide and 1.5% acetic acid	
Assay (%)	Not less than 90.0%	95.3%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/02/2026
Approved by:	Quality Assurance		06/02/2026

Attachments: Peak Attribution Table, Assay Calculation, HPLC, IR, MS and NMR spectra.