



CERTIFICATE OF ANALYSIS

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1. Identification

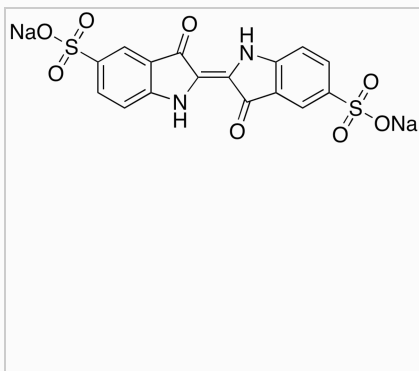
Catalogue Number: 1521300

CAS Number: 860-22-0

Product: 5,5'-Indigodisulfonic Acid Disodium Salt (Technical Grade)

Synonym: 2-(1,3-Dihydro-3-oxo-5-sulfo-2H-indol-2-ylidene)-2,3-dihydro-3-oxo-1H-Indole-5-sulfonic Acid; C.I. Acid Blue 74 (6CI); [Δ 2,2'-Biindoline]-5,5'-disulfonic Acid, 3,3'-dioxo-, disodium Salt (8CI); 12070 Blue; 1311 Blue; 5,5'-Indigodisulfonic Acid Disodium Salt; A.F. Blue No. 2; Acid Blue 74; Acid Blue W; Acid Leather Blue IC; Airedale Blue IN; Amacid Brilliant Blue; Aniline Carmine Powder; Ariavit Indigo Carmine; Atul Indigo Carmine; Basovit Blue 665E; Blue 2; Bucacid Indigotine B; C.I. 73015; C.I.

Structure:



Molecular Formula:

$C_{16}H_8N_2Na_2O_8S_2$

Molecular weight:

466.35

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 10-SYQ-142-1

Purity: 85%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Dark Blue to Black Solid	Dark Blue to Black Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 34.88, %H: 2.26, %N: 5.08
MS	Conforms to Structure	Conforms
Water Content	Report Result	~6.5% based on Elemental Analysis

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Evan Burns	Toni Rantanen	Chanell Chu	2/23/2022	2/21/2026
				