



CERTIFICATE OF ANALYSIS

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1. Identification

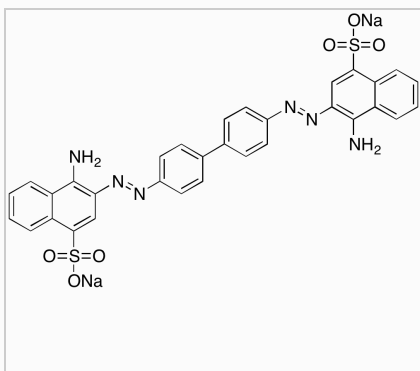
Catalogue Number: C685050

CAS Number: 573-58-0

Synonym: 3,3'-[[1,1'-Biphenyl]-4,4'-diylbis(azo)]bis[4-amino-1-naphthalenesulfonic Acid Disodium Salt; C.I. Direct Red 28 Disodium Salt; Atlantic Congo Red; Atul Congo Red; Azocard Red Congo; Benzo Congo Red; Brasilamina Congo 4B; C.I. 22120; C.I. Direct Red 28; Congo Red 4B; Congo Red 4BS; Congo Red 4BX; Congo Red CR; Congo Red H; Congo Red K; Congo Red L; Congo Red M; Congo Red N; Congo Red R; Congo Red RS; Congo Red TS; Congo Red W; Congo Red WS; Congo Red Sodium Salt; Congo Red Disodium Salt; Cotton

Product: Congo Red (90%)

Structure:



Molecular Formula:

C₃₂H₂₂N₆Na₂O₆S₂

Molecular weight:

696.66

Source of Product:

N/A

Solubility:

DMSO (Slightly), Water (Slightly)

Lot Number: 22-SBL-68-1

Purity: ~90%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 45.51, %H: 3.05, %N: 9.87
Appearance	Very Dark Red to Very Dark Brown Solid	Very Dark Red to Very Dark Brown Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
UV Absorbance	Report Result	237nm, 344nm, 499nm
Sodium Content	Report Result	8.58% by Ion Chromatography
Water Content	Report Result	~6.0% 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 ± 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
Neha Khanna	Toni Rantanen	Christina Gouliaras	4/21/2022	4/19/2026
				