



CERTIFICATE OF ANALYSIS

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1. Identification

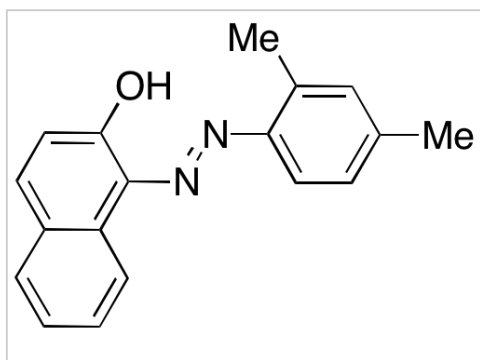
Catalogue Number: S688890

CAS Number: 3118-97-6

Product: Sudan II

Synonym: 1-[(2,4-Dimethylphenyl)azo]-2-naphthalenol;
C.I. Solvent Orange 7; Sudan Red; AF Red No. 5; Brasilazina Oil Scarlet 6G; C.I. 12140; Calco Oil Scarlet BL; Ceres Orange RR; Cerisol Scarlet G; Ext D and C Red No. 14; FD and C Red No. 32; Fast Oil Orange II; Fat Scarlet 2G; Grasan Orange 3R; Japan Red 5; Japan Red 505; Japan Red No.5; Lacquer Orange VR; NSC 10457; Oil Orange 2R; Oil Orange KB; Oil Orange N Extra; Oil Orange R; Oil Orange X; Oil Orange XO; Oil Red XO; Oil Scarlet; Oil Scarlet 371; Oi

Structure:



Molecular Formula:

C₁₈H₁₆N₂O

Molecular weight:

276.33

Source of Product:

N/A

Solubility:

DMSO (Slightly), Ethyl Acetate (Slightly)

Lot Number: 1-AJK-150-1

Purity: 98%

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

Storage Condition: Hygroscopic, Refrigerator, under inert atmosphere

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
NMR	Conforms to structure	Conforms
MS	Conforms to Structure	Conforms
Melting Point	Report Results	160 - 163°C
Appearance		Red Solid

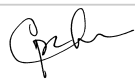
Additional Information:

TLC Conditions: SiO₂; Hexanes : Ethyl Acetate = 8 : 2; Visualized with UV and AMCS; Single Spot, R_f = 0.65. ¹H NMR and MS conform to structure.

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.

4. Signatures

Reviewed By **Reviewed By** **C of A Approved By** **Test Date** **Retest Date**

A handwritten signature in black ink, appearing to read 'Philip Chan', located below the header information.