



CERTIFICATE OF ANALYSIS

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1. Identification

Catalogue Number:

S688925

CAS Number: 2051-85-6

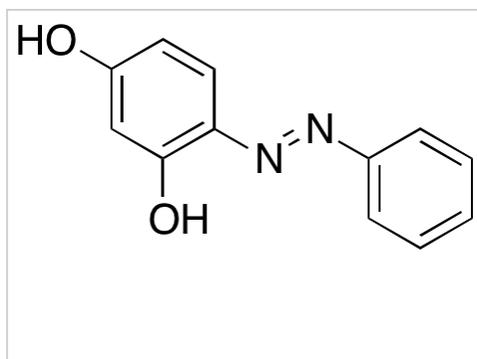
Synonym:

4-(2-Phenyldiazenyl)-1,3-benzenediol; 4-(Phenylazo)-1,3-benzenediol; C.I. Solvent Orange 1 (7CI,8CI); Sudan G (6CI); 1504 Yellow; 2,4-Dibenzeneazoresorcinol; 2,4-Dihydroxyazobenzene; 4-(Phenylazo)resorcinol; Benzeneazoresorcinol; C.I. 11920; C.I. Food Orange 3; Ceres Orange; Ceres Orange G; Ceres orange GN; Cerisol Yellow GR; Fast Oil Orange T; Fast Oil Yellow 2G; Fast Oil Yellow G; Fat Orange A; Fat Orange G; Fat Orange GS; Fat Orange RG; Fat Victoria Yellow D; Grasol Yellow RSF; Hexacol Oil Ye

Product:

Sudan Orange G

Structure:



Molecular Formula:

C₁₂H₁₀N₂O₂

Molecular weight:

214.22

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number:

4-KAA-27-1

Purity:

98%

Shipping Condition:

This Product Is Stable To Be Shipped At Room Temperature

Storage Condition:

Amber Vial, Refrigerator, Under inert atmosphere

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:

NMR

MS

Melting Point

Appearance

Specifications:

Conforms to structure

Conforms to Structure

Report Results

Results:

Conforms

Conforms

164 - 168°C

Orange Solid

Additional Information:

TLC Conditions: SiO₂; Hexanes : Ethyl Acetate = 7 : 3; Visualized with UV, AMCS, KMnO₄, and Naked Eye; Single Spot, R_f = 0.55. 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

Philip Chan

1/17/2018

1/15/2022

