



# CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA

Tel: (416) 665-9696, Fax: (416) 665-4439

Email: orders@trc-canada.com Website: www.trc-canada.com

## 1. Identification

**Catalogue Number:**

S688925

**CAS Number:** 2051-85-6

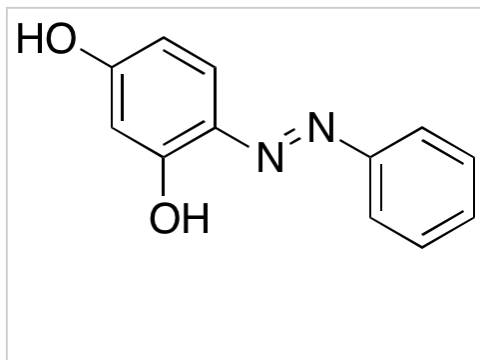
**Synonym:**

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:**

C<sub>12</sub>H<sub>10</sub>N<sub>2</sub>O<sub>2</sub>

**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: SiO<sub>2</sub>; Hexanes : Ethyl Acetate = 7 : 3; Visualized with UV, AMCS, KMnO<sub>4</sub>, and Naked Eye; Single Spot, R<sub>f</sub> = 0.55. <sup>1</sup>H 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**

29.10.2020

TRC | CofA - 4-KAA-27-1

Philip Chan

1/17/2018

1/15/2022

