



CERTIFICATE OF ANALYSIS

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1. Identification

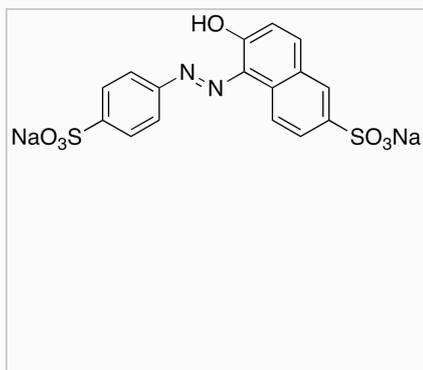
Catalogue Number: S825000

CAS Number: 2783-94-0

Product: Sunset Yellow FCF

Synonym: 6-Hydroxy-5-[2-(4-sulfophenyl)diazenyl]-2-naphthalenesulfonic Acid Sodium Salt; 1-p-Sulfophenylazo-2-hydroxynaphthalene-6-sulfonate disodium salt; 1351 Yellow; 1899 Yellow; Acid Food Yellow 3; Yellow S; Yellow SY; Yellow Sun;

Structure:



Molecular Formula:

$C_{16}H_{10}N_2Na_2O_7S_2$

Molecular weight:

452.37

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly), Water (Slightly)

Lot Number: 13-QIU-99-1

Purity: 97%

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	Red to Dark Red Solid	Red to Dark Red Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 38.32, %H: 2.80, %N: 5.60
Water Content	Report Result	~8.6% based on Elemental Analysis
MS	Conforms to Structure	Conforms
FT-IR	Conforms to Structure	Conforms
UV Absorbance	Report Result	234 nm, 314 nm, 482 nm
Sodium Content	Report Result	9.66% by Ion Chromatography
HPLC Purity	Report Result	99.33% (235 nm)

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

Neha Khanna



Reviewed By

Toni Rantanen



**C of A Approved
By**

Chanell Chu



Test Date

1/10/2022

Retest Date

1/8/2026