



CERTIFICATE OF ANALYSIS

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1. Identification

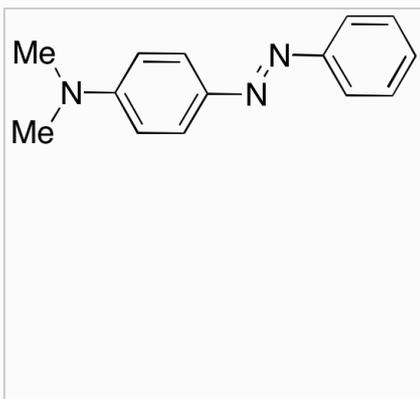
Catalogue Number: D473790

CAS Number: 60-11-7

Product: Dimethyl Yellow

Synonym: N,N-Dimethyl-4-(2-phenyldiazenyl)benzenamine; N,N-dimethyl-p-phenylazoaniline; N,N-Dimethyl-4-(phenylazo)benzenamine; Butter Yellow; C.I. Solvent Yellow 2; (4-Dimethylaminophenyl)phenyldiazene; (p-Dimethylaminophenyl)phenyldiazene; 4-(Dimethylamino)azobenzene; 4-(N,N-Dimethylamino)azobenzene; 4-(Phenylazo)-N,N-dimethylaniline; Brilliant Fast Oil Yellow; Brilliant Fast Spirit Yellow; Brilliant Oil Yellow; C.I. 11020; Cerasine Yellow GG; DAB; DAB (carcinogen); DMAB; Dimethyl Yellow; Enial Yellow 2

Structure:



Molecular Formula:

C₁₄H₁₅N₃

Molecular weight:

225.29

Source of Product:

N/A

Solubility:

Chloroform (Sparingly), Ethyl Acetate (Slightly), Methanol (Slightly)

Lot Number: 2-SCZ-146-1

Purity: 95%

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	Dark Orange to Very Dark Orange Solid	Very Dark Orange Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 73.53, %H: 6.74, %N: 18.23
HPLC Purity	Report Result	94.13% (415 nm)
MS	Conforms to Structure	Conforms

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
Evan Burns	Toni Rantanen	Chanell Chu	1/26/2022	1/24/2026
				