



## CERTIFICATE OF ANALYSIS

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### 1. Identification

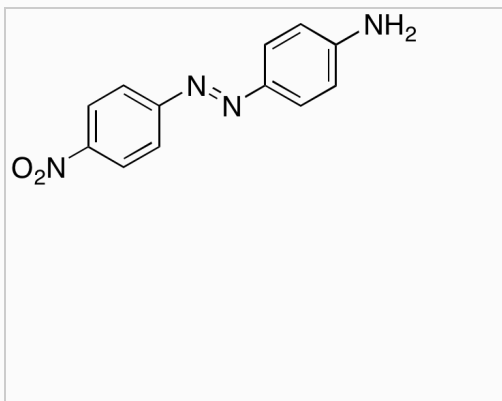
**Catalogue Number:** D493485

**CAS Number:** 730-40-5

**Product:** Disperse Orange 3

**Synonym:** 4-[2-(4-Nitrophenyl)diazenyl]-benzenamine;

**Structure:**



**Molecular Formula:**

C<sub>12</sub>H<sub>10</sub>N<sub>4</sub>O<sub>2</sub>

**Molecular weight:**

242.23

**Source of Product:**

N/A

**Solubility:**

Chloroform (Very Slightly),  
DMSO (Slightly), Methanol  
(Slightly)

**Lot Number:** 3-JLW-119-1

**Purity:** 96%

**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 Black Solid	Dark Red Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
UV Absorbance	Report Result	203 nm; 277 nm, 437 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 ± 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
Nicole Yip	Toni Rantanen	Christina Gouliaras	12/21/2021	12/19/2025