



## CERTIFICATE OF ANALYSIS

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### 1. Identification

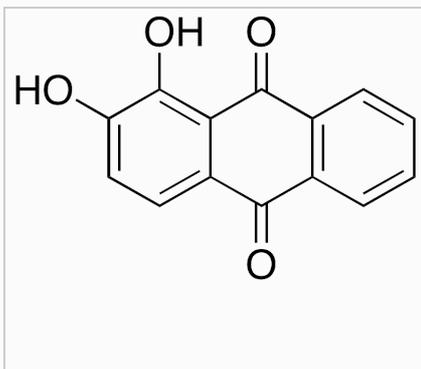
**Catalogue Number:** A536600

**CAS Number:** 72-48-0

**Product:** Alizarin

**Synonym:** 1,2-Dihydroxyanthraquinone; 1,2-Anthraquinonediol; 1,2-Dihydroxy-9,10-anthracenedione; 1,2-Dihydroxy-9,10-anthraquinone; 1,2-Dihydroxyanthraquinone; Acid Metachrome Red B; Acid Mordant Red B; Alizarin; Alizarin Red; Alizarina; Alizarine; Alizarine 3B; Alizarine B; Alizarine Indicator; Alizarine L Paste; Alizarine Lake Red 2P; Alizarine Lake Red 3P; Alizarine Lake Red IPX; Alizarine NAC; Alizarine Paste 20 percent Bluish; Alizarine Red; Alizarine Red B; Alizarine Red B2; Alizarine Red IP; Alizari

**Structure:**



**Molecular Formula:**

C<sub>14</sub>H<sub>8</sub>O<sub>4</sub>

**Molecular weight:**

240.21

**Source of Product:**

N/A

**Solubility:**

DMSO (Slightly), Methanol (Slightly)

**Lot Number:** 711675061-4-1

**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	Orange to Dark Orange Solid	Dark Orange Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 68.21, %H: 3.28
MS	Conforms to Structure	Conforms
UV Absorbance	Report Result	260 nm, 327 nm, 518 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**

Nicole Yip



**Reviewed By**

Toni Rantanen



**C of A Approved  
By**

Chanell Chu



**Test Date**

10/7/2022

**Retest Date**

10/5/2026