



## CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA  
Tel: (416) 665-9696, Fax: (416) 665-4439  
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

### 1. Identification

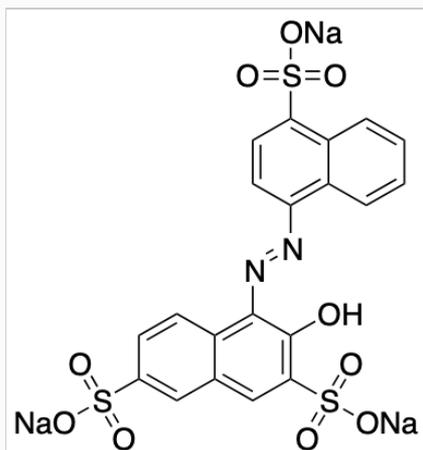
**Catalogue Number:** A575988

**CAS Number:** 915-67-3

**Synonym:** Bordeaux S; C.I. Acid Red 27; C.I. Acid Red 27, Trisodium Salt; 1-(4-Sulfo-1-naphthylazo)-2-naphthol-3,6-disulfonic Acid Trisodium Salt; 1302 Red; 1508 Red; 2-Hydroxy-1,1'-azonaphthalene-3,6,4'-trisulfonic Acid Trisodium Salt; Acid Amaranth; Acid Amaranth I; Acid Amaranth J; Acid Amaranth N; Acid Leather Red I 2BW; Acid Leather Rubine S; Acid Red 27; Aizen Amaranth; Amacid Amaranth; Azo Red R; Azo Rubine S-FQ; Azo Rubine SF; Azo Ruby S; Azorubin S; Basovit Red 470E; Bordeaux S Extra Conc. A Expo

**Product:** Amaranth (>85%)

**Structure:**



**Molecular Formula:**

$C_{20}H_{11}N_2Na_3O_{10}S_3$

**Molecular weight:**

604.47

**Source of Product:**

N/A

**Solubility:**

DMSO (Slightly, Sonicated),  
Methanol (Very Slightly,  
Sonicated), Water (Very Sli

**Lot Number:** 1-CYJ-4-1

**Purity:** >85%

**Shipping Condition:** This Product Is Stable To Be Shipped At Room Temperature

**Storage Condition:** -20°C

### 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Dark Red to Very Dark Red Solid	Very Dark Red Solid
NMR	Conforms to Structure	Conforms
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  $\pm 2\%$ . 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**

Henry Tieu



**Reviewed By**

Toni Rantanen



**C of A Approved  
By**

Chanell Chu



**Test Date**

7/16/2021

**Retest Date**

7/14/2025