



## CERTIFICATE OF ANALYSIS

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### 1. Identification

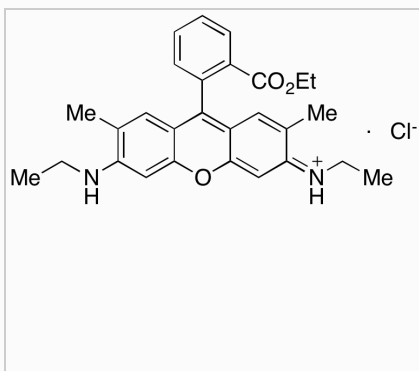
**Catalogue Number:** R318595

**CAS Number:** 989-38-8

**Synonym:** 6-Carboxyrhodamine; Aizen Rhodamine 6GCP; Basic Red 1; Basonyl Red 482; Basonyl Red 483; C.I. 45160; C.I. Basic Red 1; Calcozine Red 6G; Calcozine Rhodamine 6GX; Eljon Pink Toner; Exciton 590; Fanal Pink B; Fanal Pink GFK; Fanal Red 25532; Flexo Red 482; Heliostable Brilliant Pink B Extra; Mitsui Rhodamine 6GCP; NSC 36345; Nyco Liquid Red GF; R 634; R 6G; Rh 6G; Rhodamin 6G; Rhodamine 4GD; Rhodamine 4GH; Rhodamine 5GDN; Rhodamine 5GDN Extra; Rhodamine 5GL; Rhodamine 6G; Rhodamine 6G Extra; Rhoda

**Product:** Rhodamine 6G

**Structure:**



**Molecular Formula:**

$C_{28}H_{31}ClN_2O_3$

**Molecular weight:**

479.01

**Source of Product:**

N/A

**Solubility:**

DMSO (Slightly), Methanol (Slightly)

**Lot Number:** 711826299-3-1

**Purity:** 97%

**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:
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 67.93, %H: 6.71, %N: 5.67
MS	Conforms to Structure	Conforms
UV Absorbance	Report Result	205 nm, 287 nm, 348 nm, 530 nm
Appearance	Dark Red to Very Dark Brown Solid	Very Dark Red to Very Dark Brown Solid
Chloride Content	Report Result	7.4%

**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	Reviewed By	C of A Approved By	Test Date	Retest Date
swathi reddy	Toni Rantanen	Chanell Chu	7/6/2023	7/4/2027
				