



CERTIFICATE OF ANALYSIS

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1. Identification

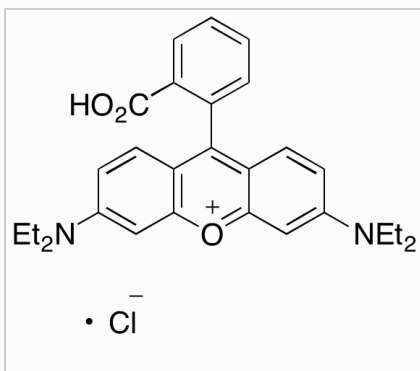
Catalogue Number: R318605

CAS Number: 81-88-9

Synonym: [9-(o-Carboxyphenyl)-6-(diethylamino)-3H-xanthen-3-ylidene]diethylammonium Chloride; 11411 Red; ADC Rhodamine B; Aizen Rhodamine B; Aizen Rhodamine BH; Aizen Rhodamine BHC; Akiriku Rhodamine B; Amezin Rhodamine B Liquid; Basazol Red 71L; Basazol Red 71P; Basic Rose Extract; Basic Rose Red; Basic Violet 10; Basonyl Red 540; Basonyl Red 545; Basonyl Red 545FL; Brilliant Pink B; C.I. 45170; C.I. Basic Violet 10; C.I. Food Red 15; Calcozine Red BX; Calcozine Rhodamine BXP; Cerise Toner X 1127; Chrom

Product: Rhodamine B

Structure:



Molecular Formula:

C₂₈H₃₁ClN₂O₃

Molecular weight:

479.01

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 711627319-7-1

Purity: 95%

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	Very Dark Green to Black Solid	Black Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
UV Absorbance	Report Result	203 nm, 259 nm, 353 nm, 552 nm
Chloride Content	Report Result	8.6%
Elemental Analysis	Conforms	%C: 66.22, %H: 6.33, %N: 5.56
Water Content	Report Result	~3.6% based on Elemental Analysis

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
Henry Tieu	Toni Rantanen	Christina Gouliaras	8/29/2022	8/27/2026
				