

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-31 18:43:35

Date of Next Testing: 2028-07-30 18:43:35

Product Name: **Rhodamine B base**

CAS Number: 509-34-2

Specifications & Purity: Dye content 97 %

Lot #: G2510090

SKU #: **R334821**

Version: **1**

Analysis #: **111168**

Storage Temperature: Room temperature

| Parameter                                                                                                        | Limit Values  | Result       |
|------------------------------------------------------------------------------------------------------------------|---------------|--------------|
| Purity(HPLC area)                                                                                                | 97-100 (%)    | 99.94900 %   |
| Wavelength(C=0.0025 g/L in Methanol)                                                                             | 542-546 (nm)  | 542.00000 nm |
| Carbon by Elemental Analysis                                                                                     | 73.3-78.6 (%) | 76.19000 %   |
| Nitrogen by Elemental Analysis                                                                                   | 6.1-6.6 (%)   | 6.10000 %    |
| Extinction Coefficient                                                                                           | >103000       | 103055.00000 |
| Infrared spectrum                                                                                                | Conforms to   | Conforms to  |
|                                                                                                                  | Structure     | Structure    |
| Solubility in Ethanol, c=1mg/ml ,Orange and Red to Dark Red and Orange-Red and Red-Orange,Clear to Slightly Hazy | Pass          | Pass         |



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QA & QC Manager