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### CERTIFICATE OF ANALYSIS

**Name of the Sample** : Rhodamine - B  
**Batch No.** : 228303  
**Date of Mfg.** : Feb 2025  
**Date of Exp** : Jan 2030  
**Register No.** : 2025-26  
**Qty of Sample** : 100gm  
**Date of Analysis** : Feb 2025

| S. No | Test Parameters  | Observed Values | Standard Values      |
|-------|--|-----------------|----------------------|
| 1.    | Description  | Passes          | Green Powder         |
| 2.    | Solubility 0.1% in distilled water                               | Passes          | Clear green solution |
| 3.    | Absorption maxima in water                                       | 554.2 nm        | 550 – 554 nm         |
| 4.    | Absorptivity A1%/1cm at $\lambda$ max pH: 7.0 on dried substance | 2235            | Min.2100             |
| 5.    | Loss on drying at 135°C  | 2.29%           | Max.15.0%            |
| 6.    | Suitability for microscopy                                       | Passes          | Passes               |

**Chief Chemist**