



## UNISOURCE CHEMICALS PRIVATE LIMITED

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AN ISO 9001:2015 & GMP CERTIFIED COMPANY

### **Product Information**

### **TECHNICAL DATA SHEET / Specification Sheet**

#### **Rhodamine B**

|                   |                          |
|-------------------|--------------------------|
| Synonym           | : Tetraethylrhodamine    |
| Molecular Formula | : $C_{28}H_{31}ClN_2O_3$ |
| Molecular Weight  | : 479.01                 |
| CAS No.           | : 81-88-9                |
| Colour Index No.  | : 45170                  |
| Shelf Life        | : 5 years                |

#### **Technical Specification**

|   |   |
|---|---|
| Appearance                                | : Red-brown or green to dark green crystals or powder |
| Solubility                                | : 10 ppm solution in methanol yields clear solution   |
| FTIR (KBr disc)                           | : Matches with the standard pattern                   |
| Loss on drying                            | : $\leq 7.00\%$                                       |
| Absorption maxima<br>(10 ppm in methanol) | : 542 - 554 nm  |
| Dye content                               | : ~ 80%   |