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### CERTIFICATE OF ANALYSIS

**Name of the Sample** : **Thymolphthalein pH Indicator**  
**Batch No.** : **227767**  
**Date of Mfg.** : **July 2024**  
**Date of Exp** : **June 2029**  
**Register No.** : **2024-25**  
**Qty of Sample** : **100gm**  
**Date of Analysis** : **July 2024**

| S. No | Test Parameters  | Observed Values  | Standard Values   |
|-------|--|------------------|-------------------|
| 1.    | Description  | Passes           | A White Powder    |
| 2.    | Solubility 0.1%<br>(Ethanol)   | Passes           | Clear solution    |
| 3.    | Transition color<br>pH 9.3<br>pH 10.5  | Passes<br>Passes | Colorless<br>Blue |
| 4.    | Absorptivity 1%/1cm<br>(on dried substance)<br>in 0.1N NaOH at $\lambda$ max.593.8nm | 1006             | > 1000            |
| 5.    | Loss on drying at 110°C  | 0.67%            | < 1%              |
| 6.    | Transition range<br>according to ACS   | Passes           | To Pass test      |

**Chief Chemist**