

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : PHENOLPHTHALEIN (INDICATOR)**

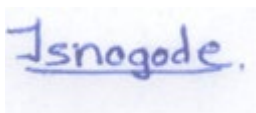
**CAS No** : 77-09-8  
**Mol. Formula** :  $C_{20}H_{14}O_4$   
**Mol. WT** : 318.33  
**Date of analysis** : 29/03/25

**Product code** : 32160  
**Batch No** : MCR-33587  
**Mfd.** : March 2025  
**Exp.** : Feb. 2030

| S.R | Test                                                               | Specification                                                 | Observation                   |
|-----|--------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------|
| 1   | Description                                                        | Almost white or off white or yellowish white coloured powder. | Almost white powder.          |
| 2   | Melting point                                                      | 258 – 261°C                                                   | 260.2°C                       |
| 3   | Transition interval from pH 8.3 – 10.0                             | Very light pink to violet red                                 | Very light pink to violet red |
| 4   | Specific Absorptivity A 1%/1cmλ max at 551-554 nm in buffer pH 9.8 | 580 - 752                                                     | 609.12                        |
| 5   | Loss on Drying at 105°C                                            | 1% max                                                        | 0.86%                         |
| 6   | Sulphated Ash                                                      | 0.05% max                                                     | 0.03%                         |
| 7   | Chloride (Cl)                                                      | 0.01% max                                                     | < 0.01%                       |
| 8   | Sulphate (SO <sub>4</sub> )                                        | 0.01% max                                                     | < 0.01%                       |

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**



**CHEMIST  
(Jyoti)**



**[QC Incharge]**



**HEAD-QUALITY ASSURANCE  
(G.G.Salian)**

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