



## 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** : 06/05/24

**Product code** : 32160  
**Batch No** : MCR-25274-01  
**Mfd.** : May 2024  
**Exp.** : April 2029

| S. R | Test                                                                          | Specification                                                 | Observation                      |
|------|-------------------------------------------------------------------------------|---------------------------------------------------------------|----------------------------------|
| 1    | Description                                                                   | Almost white or off white or yellowish white coloured powder. | Yellowish white coloured powder. |
| 2    | Melting point                                                                 | 258 – 261°C                                                   | 260°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%/1cm $\lambda_{max}$ at 551-554 nm in buffer pH 9.8 | 580 - 752                                                     | 654.0                            |
| 5    | Loss on Drying at 105°C                                                       | 1% max                                                        | 0.19%                            |
| 6    | Sulphated Ash                                                                 | 0.05% max                                                     | 0.02%                            |
| 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]**

**[QC Incharge]**

**CHEMIST**  
**(Jyoti)**

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

**Note:** Computer generated image requires no sign.

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