

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : BROMOPHENOL BLUE INDICATOR AR**

|                         |                                                                    |                     |             |
|-------------------------|--------------------------------------------------------------------|---------------------|-------------|
| <b>CAS No</b>           | : 115-39-9                                                         | <b>Product code</b> | : 31360     |
| <b>Mol. Formula</b>     | : C <sub>19</sub> H <sub>10</sub> Br <sub>4</sub> O <sub>5</sub> S | <b>Batch No</b>     | : MCR-29934 |
| <b>Mol. WT</b>          | : 669.99                                                           | <b>Mfd.</b>         | : Dec. 2023 |
| <b>Date of analysis</b> | : 15/12/23                                                         | <b>Exp.</b>         | : Nov. 2028 |

| S.R | Test                                                                                          | Specification                                                                      | Observation         |
|-----|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------|
| 1   | Description                                                                                   | Pink or pale orange to brown or beige or red or purple power or crystalline power. | Pale orange powder. |
| 2   | Transition interval from pH 2.8 – 4.6                                                         | yellow to violet                                                                   | yellow to violet    |
| 3   | Specific Absorptivity 1% / 1 cm $\lambda_{\text{max}}$ at about 434 - 439 nm in buffer pH 3.0 | 330 - 380                                                                          | 366.33              |
| 4   | Specific Absorptivity 1% / 1 cm $\lambda_{\text{max}}$ at about 590 - 593 nm in buffer pH 4.6 | 776 – 1000                                                                         | 818.81              |
| 5   | Loss on drying at 105°C                                                                       | 1% max                                                                             | 0.85%               |

**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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