



## **CERTIFICATE OF ANALYSIS**

**PRODUCT NAME : BROMOPHENOL BLUE INDICATOR AR**

|                         |                                                                   |                     |                    |
|-------------------------|-------------------------------------------------------------------|---------------------|--------------------|
| <b>CAS No</b>           | <b>: 115 – 39-9</b>                                               | <b>Product code</b> | <b>: 31360</b>     |
| <b>Mol. Formula</b>     | <b>: C<sub>19</sub>H<sub>10</sub>Br<sub>4</sub>O<sub>5</sub>S</b> | <b>Batch No</b>     | <b>: MCR-21742</b> |
| <b>Mol. WT</b>          | <b>: 669.99</b>                                                   | <b>Mfd.</b>         | <b>: Aug. 2020</b> |
| <b>Date of analysis</b> | <b>: 08/08/20</b>                                                 | <b>Exp.</b>         | <b>: July 2025</b> |

| S. R | Test                                                                                          | Specification                                                                     | Observation              |
|------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------|
| 1    | Description                                                                                   | Pink to pale orange or pink orange or red to purple powder or crystalline powder. | Pink crystalline 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                      |
| 4    | Specific Absorptivity 1% / 1 cm $\lambda_{\text{max}}$ at about 590 - 593 nm in buffer pH 4.6 | 776 – 1000                                                                        | 835                      |
| 5    | Loss on drying at 105 <sup>0</sup> C                                                          | 1% max                                                                            | 0.6%                     |

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

**[Tested By]**

**[QC Incharge]**

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

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

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