

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : BROMOCRESOL GREEN INDICATOR AR**

|                         |                                                                    |                     |             |
|-------------------------|--------------------------------------------------------------------|---------------------|-------------|
| <b>CAS No</b>           | : 76-60-8                                                          | <b>Product code</b> | : 31340     |
| <b>Mol. Formula</b>     | : C <sub>21</sub> H <sub>14</sub> Br <sub>4</sub> O <sub>5</sub> S | <b>Batch No</b>     | : MCR-33311 |
| <b>Mol. WT</b>          | : 698.04                                                           | <b>Mfd.</b>         | : Feb. 2025 |
| <b>Date of analysis</b> | : 25/02/25                                                         | <b>Exp.</b>         | : Jan. 2030 |

| S.R | Test                                                                                                 | Specification                                                 | Observation         |
|-----|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------|
| 1   | <b>Description</b>                                                                                   | Buff or Beige to brown powder or yellow to tan colour powder. | Buff colour powder. |
| 2   | <b>Specific Absorptivity</b><br>A 1% / 1 cm<br>$\lambda_{\text{max}}$ at 438-443 nm in pH buffer 3.8 | 220 - 270                                                     | 242                 |
| 3   | <b>Specific Absorptivity</b><br>A 1% / 1 cm<br>$\lambda_{\text{max}}$ at 615-618 nm in pH buffer 5.4 | 440 - 570                                                     | 499                 |
| 4   | <b>Transition interval from</b><br>pH 3.6 – 5.4                                                      | Yellow to blue                                                | Yellow to blue      |

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

**[Tested By]**



**CHEMIST  
(Akash)**



**[QC Incharge]**



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

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