



## **CERTIFICATE OF ANALYSIS**

**PRODUCT NAME : THYMOL BLUE INDICATOR AR**

**CAS No** : 76-61-9  
**Mol. Formula** :  $C_{27}H_{30}O_5S$   
**Mol. WT** : 466.60  
**Date of analysis** : 26/11/19

**Product code** : 19510  
**Batch No** : MCR-20147  
**Mfd.** : Nov. 2019  
**Exp.** : Oct. 2024

| S.R | Test                                                                                                                                                                                                              | Specification                                                        | Observation                          |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------|
| 1   | <b>Description</b>                                                                                                                                                                                                | Brownish-green or reddish-brown or Olive green or dark brown powder. | Olive green powder.                  |
| 2   | <b>Transition interval from pH 1.2 – 2.8</b>                                                                                                                                                                      | Pinkish red to Yellow                                                | Pinkish red to Yellow                |
| 3   | <b>Transition interval from pH 8.0 – 9.6</b>                                                                                                                                                                      | Greenish Yellow to Blue                                              | Greenish Yellow to Blue              |
| 4   | <b>Specific Absorptivity A 1%/1cm <math>\lambda_{max}</math> at about</b><br>543 to 547 nm in pH buffer 1.2<br>431 to 436 nm in pH buffer 2.8<br>431 to 436 nm in pH buffer 7.8<br>594 to 598 nm in pH buffer 9.5 | 360 - 500<br>200 - 300<br>200 - 300<br>450 – 550                     | 441.35<br>280.32<br>278.33<br>508.95 |
| 5   | <b>Loss on drying at 105° C</b>                                                                                                                                                                                   | 3% max                                                               | 1.5%                                 |

**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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