

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 : 07/08/23

Product code : 19510
Batch No : MCR-22475-02
Mfd. : Aug. 2023
Exp. : July 2028

S.R	Test	Specification	Observation
1	Description	Brownish-green or reddish-brown or Olive green or dark brown powder.	Olive green powder.
2	Transition interval from pH 1.2 – 2.8	Pinkish red to Yellow	Pinkish red to Yellow
3	Transition interval from pH 8.0 – 9.6	Greenish Yellow to Blue	Greenish Yellow to Blue
4	Specific Absorptivity A 1%/1cm λ_{max} at about 543 to 547 nm in pH buffer 1.2 431 to 436 nm in pH buffer 2.8 431 to 436 nm in pH buffer 7.8 594 to 598 nm in pH buffer 9.5	360 - 500 200 - 300 200 - 300 450 – 550	478.11 260.22 265.87 510.12
5	Loss on drying at 105° C	3% max	1.6%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

CHEMIST
(Priyanka)

HEAD-QUALITY ASSURANCE
(G.G.Salian)

Note: Computer generated image requires no sign.