

Certificate of Analysis

Date of Testing: 2022-08-12 20:02:50
Date of Next Testing: 2024-08-01 20:02:50
Product Name: **Bromothymol blue**
CAS Number: 76-59-5
Specifications & Purity: ACS,Dye content 95 %
Lot #: H2209077
SKU #: **B100250**
Analysis: **114003**

| Parameter | Limit Values | Result |
|---|------------------------|------------------------|
| Extinction Coefficient(λ :419- 425 nm,c = 0.02g/L; MEtOH) | ≥ 17000 | 19052.34 |
| Extinction Coefficient(λ :326- 332 nm,c = 0.02g/L; MEtOH) | ≥ 8000 | 9365.70 |
| Extinction Coefficient(λ :279- 285 nm,c = 0.02g/L; MEtOH) | ≥ 9000 | 10211.82 |
| Purity(HPLC) | 95-100 (%) | 98.41200 % |
| Appearance (B100250) | Purple and Pink Powder | Purple and Pink Powder |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| PH Transition interval,pH6.0(Yellow-Green) to pH6.7(Green) to pH7.6(blue) | Conforms | Conforms |



John Su
QA & QC Manager