

## Certificate of Analysis

Date of Testing: 2022-12-19 15:11:31  
Date of Next Testing: 2024-12-08 15:11:31  
Product Name: **Bromothymol blue**  
CAS Number: 76-59-5  
Specifications & Purity: ACS,Dye content 95 %  
Lot #: L2214691  
SKU #: **B100250**  
Analysis: **056824**

Parameter	Limit Values	Result
Extinction Coefficient( $\lambda$ :419- 425 nm,c = 0.02g/L; MEtOH)	$\geq 17000$	21984.75
Extinction Coefficient( $\lambda$ :326- 332 nm,c = 0.02g/L; MEtOH)	$\geq 8000$	10745.91
Extinction Coefficient( $\lambda$ :279- 285 nm,c = 0.02g/L; MEtOH)	$\geq 9000$	11797.50
Purity(HPLC)	95-100 (%)	98.45500 %
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