

## Certificate of Analysis

Date of Testing: 2024-03-29 16:40:20  
Date of Next Testing: 2026-03-19 16:40:20  
Product Name: **Bromothymol blue**  
CAS Number: 76-59-5  
Specifications & Purity: ACS,Dye content 95 %  
Lot #: C2419051  
SKU #: **B100250**  
Analysis: **320134**

Parameter	Limit Values	Result
Extinction Coefficient( $\lambda$ :419- 425 nm,c = 0.02g/L; MEtOH)	$\geq 17000$	19714.22
Extinction Coefficient( $\lambda$ :326- 332 nm,c = 0.02g/L; MEtOH)	$\geq 8000$	9625.86
Extinction Coefficient( $\lambda$ :279- 285 nm,c = 0.02g/L; MEtOH)	$\geq 9000$	10608.68
Purity(HPLC)	95-100 (%)	95.34200 %
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



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QA & QC Manager