

## Certificate of Analysis

Date of Testing: 2023-10-10 09:44:13

Date of Next Testing: 2025-09-29 09:44:13

Product Name: **Bromothymol blue**

CAS Number: 76-59-5

Specifications & Purity: ACS,Dye content 95 %

Lot #: A2211290

SKU #: **B100250**

**Analysis: 283216**

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 (%)	98.12500 %
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