

## Certificate of Analysis

Date of Testing: 2023-06-12 11:51:26

Date of Next Testing: 2025-06-01 11:51:26

Product Name: **Bromothymol blue**

CAS Number: 76-59-5

Specifications & Purity: ACS,Dye content 95 %

Lot #: F2305086

SKU #: **B100250**

**Analysis: 223236**

Parameter	Limit Values	Result
Extinction Coefficient( $\lambda$ :419- 425 nm,c = 0.02g/L; MEtOH)	$\geq 17000$	18135.40
Extinction Coefficient( $\lambda$ :326- 332 nm,c = 0.02g/L; MEtOH)	$\geq 8000$	8996.75
Extinction Coefficient( $\lambda$ :279- 285 nm,c = 0.02g/L; MEtOH)	$\geq 9000$	9876.56
Purity(HPLC)	95-100 (%)	99.18300 %
Appearance (B100250)	Purple and Pink Powder	Purple and Pink Powder
PH Transition interval,pH6.0(Yellow-Green) to pH6.7(Green) to pH7.6(blue)	Conforms	Conforms
Infrared spectrum	Conforms to Structure	Conforms to Structure



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QA & QC Manager