

Certificate of Analysis

Date of Testing: 2023-05-20 17:36:15
Date of Next Testing: 2025-05-09 17:36:15
Product Name: **Bromothymol blue**
CAS Number: 76-59-5
Specifications & Purity: ACS,Dye content 95 %
Lot #: E2310124
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