

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-04-09 17:19:37

Date of Next Testing: 2027-04-09 17:19:37

Product Name: **Bromothymol blue**

CAS Number: 76-59-5

Specifications & Purity: Ph.Eur., ACS, indicator

Lot #: C2426090

SKU #: **B433768**

Version: **1**

Analysis #: **320129**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Absorption maximum λ 1 max. (buffer pH 5.8)	430-435 (nm)	431.00000 nm
Absorption maximum λ 2 max. (buffer pH 7.6)	615-618 (nm)	615.00000 nm
Spec. Absorptivity A 1%/1cm (λ 1 max;0.005 g/l; buffer pH 5.8; calc. on dried substances)	260-305	280.00000
Drying loss(110°C)	0-3 (%)	0.00000 %
Spec. Absorptivity A 1%/1cm (λ 2 max;0.005 g/l; buffer pH 7.6; calc. on dried substances)	455-530	456.00000
Appearance(B433768)	Purple and Pink Powder	Purple and Pink Powder
Clarity of solution (1 g/l; ethanol)	passes test	Passes test
Infrared spectrum	Conforms to Structure	Conforms to Structure
Transition range(pH 5,8 (yellow) – pH 7.6 (blue))	Pass	Pass
Sensitivity Test	Pass	Pass



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager