

## Certificate of Analysis

Date of Testing:	2023-01-10 16:07:39
Date of Next Testing:	2024-12-30 16:07:39
Product Name:	<b>Thymolblue</b>
CAS Number:	76-61-9
Specifications & Purity:	ACS reagent
Lot #:	E1929096
SKU #	<b>T100160</b>
<b>Analysis:</b>	<b>177205</b>

Parameter	Limit Values	Result
Extinction Coefficient 2(c = 0.01g/l,0.1N NaOH Pass)	≥8000	8002.00
Extinction Coefficient 3(c = 0.01g/l,0.1N NaOH Pass)	≥12000	12014.00
Wavelength 2	378-382 (nm)	379.00 nm
Extinction Coefficient 1(c = 0.01g/l,0.1N NaOH Pass)	≥30000	30002.00
Wavelength 1	595-599 (nm)	596.00 nm
Wavelength 3	298-302 (nm)	300.00 nm
Appearance (T100160)	Powder	Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
PH Transition interval,pH 1.2(Pink)	Conforms	Conforms
PH Transition interval,pH 2.2(Orange)	Conforms	Conforms
PH Transition interval,pH 2.8(Yellow)	Conforms	Conforms
PH Transition interval,pH 8.0(Yellow)	Conforms	Conforms
PH Transition interval,pH 8.4(Green)	Conforms	Conforms
PH Transition interval,pH 9.2(Blue)	Conforms	Conforms
Solubility in EtOH(50vol%)	almost transparency	almost transparency
Solubility in NaOH solution	almost transparency	almost transparency



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager