

Certificate of Analysis

Date of Testing:	2022-12-28 09:52:31
Date of Next Testing:	2024-12-17 09:52:31
Product Name:	Thymolblue
CAS Number:	76-61-9
Specifications & Purity:	ACS reagent
Lot #:	L2214408
SKU #	T100160
Analysis:	139031

Parameter	Limit Values	Result
Wavelength 2	378-382 (nm)	382.00 nm
Wavelength 1	595-599 (nm)	599.00 nm
Wavelength 3	298-302 (nm)	302.00 nm
Extinction Coefficient 2(c = 0.01g/l,0.1N NaOH Pass)	≥8000	8001.00
Extinction Coefficient 3(c = 0.01g/l,0.1N NaOH Pass)	≥12000	12046.50
Extinction Coefficient 1(c = 0.01g/l,0.1N NaOH Pass)	≥30000	31473.62
Appearance (T100160)	Powder	Powder
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
Infrared spectrum	Conforms to Structure	Conforms to Structure



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

John Su
QA & QC Manager