

Certificate of Analysis

Date of Testing:	2022-01-26 09:43:47
Date of Next Testing:	2024-01-16 09:43:47
Product Name:	Thymolblue
CAS Number:	76-61-9
Specifications & Purity:	ACS reagent
Lot #:	D1823154
SKU #	T100160
Analysis:	070379

Parameter	Limit Values	Result
Extinction Coefficient 2(c = 0.01g/l,0.1N NaOH Pass)	≥8000	8011.00
Extinction Coefficient 3(c = 0.01g/l,0.1N NaOH Pass)	≥12000	12009.00
Wavelength 2	378-382 (nm)	382.00 nm
Extinction Coefficient 1(c = 0.01g/l,0.1N NaOH Pass)	≥30000	30009.00
Wavelength 1	595-599 (nm)	599.00 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



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

John Su
QA & QC Manager