

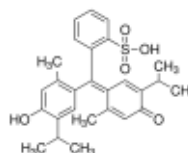
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## Product Specification

Product Name:  
Thymol Blue - ACS reagent

Product Number: 114545  
CAS Number: 76-61-9  
MDL: MFCD00005869  
Formula: C<sub>27</sub>H<sub>30</sub>O<sub>5</sub>S  
Formula Weight: 466.59 g/mol



TEST	Specification
Appearance (Form)	Powder
Infrared spectrum	Conforms to Structure
Wavelength	595 - 599 nm
Extinction Coefficient	≥ 30000
Wavelength	378 - 382 nm
Extinction Coefficient	≥ 8000
Wavelength	298 - 302 nm
Extinction Coefficient	≥ 12000
c = 0.01g/l, 0.1N NaOH	
Solubility (Turbidity)	Pass
0.1% Ethanol; Clear Solution With Only Faint Trace of Turbidity or Insoluble Matter	
Visual Interval	Pass
pH 1.2 Pink	
Visual Interval	Pass
pH 2.2 Orange	
Visual Interval	Pass
pH 2.8 Yellow	
Visual Interval	Pass
pH 8.0 Yellow	
Visual Interval	Pass
pH 8.4 Green	
Visual Interval	Pass
pH 9.2 Blue	

Specification: PRD.0.ZQ5.10000040779

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.