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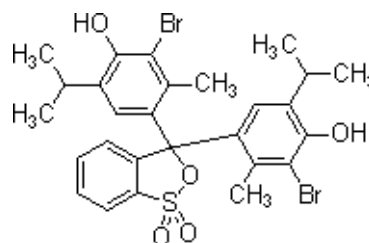
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## Product Specification

Product Name:  
Bromothymol Blue – ACS reagent, Dye content 95 %

**Product Number:** 114413  
**CAS Number:** 76-59-5  
**MDL:** MFCD00005872  
**Formula:** C<sub>27</sub>H<sub>28</sub>Br<sub>2</sub>O<sub>5</sub>S  
**Formula Weight:** 624.38 g/mol



TEST	Specification
Appearance (Color)	Purple and Pink
Appearance (Form)	Powder
Infrared spectrum	Conforms to Structure
Wavelength	419 - 425 nm
c = 0.02g/L; Methanol	
Extinction Coefficient	≥ 17000
Wavelength	326 - 332 nm
Extinction Coefficient	≥ 8000
Wavelength	279 - 285 nm
Extinction Coefficient	≥ 9000
Visual Interval 1	Pass
pH 6.0 = Yellow-Green	
Visual Interval 2	Pass
pH 6.7 = Green	
Visual Interval 3	Pass
pH 7.6 = Blue	
Solubility (Turbidity)	Pass

**Remarks:**

Reviewing Chemist :

Specification: PRD.1.ZQ5.1000003925

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.