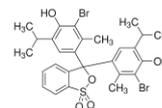


## Product Specification

Product Name:

**Bromothymol blue ACS PurReagent**

Product No.: PSR49963  
Brand: PureSynth  
CAS No.: 76-59-5  
Molecular Formula: C<sub>27</sub>H<sub>28</sub>Br<sub>2</sub>O<sub>5</sub>S  
Molecular Weight: 624.38 g/mol



Test	Specification
Appearance	Light red to Red to Purple Solid
Absorption maximum $\lambda$ 1 max. (buffer pH 5.8)	430-435 nm
Absorption maximum $\lambda$ 2 max. (buffer pH 7.6)	615-618 nm
Spec. Absorptivity A 1%/1cm (A 1 max.:0.005 g/l; buffer pH 5.8; calc. on dried substances)	260-305
Spec. Absorptivity A 1%/1cm (A 2 max: 0.005 g/l; buffer pH 7.6; calc. on dried substances)	455-530
Loss on drying	NMT 3.0 %
Transition range	pH 5.8 - pH 7.6
Clarity of solution (1 g/l; ethanol)	Passes test
Sensitivity test	Passes test
Identification by 1H NMR	Conforms to Structure
Transition range (according to ACS)	Passes test

Specification: PR-1.0-QA/200

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