



## Specification

### Thymol Blue Free Acid ACS

**Catalog Number:** TB1016  
**CAS Number:** 76-61-9  
**Synonym(s):** TB; Thymolsulfonephthalein  
**Molecular Formula:** C<sub>27</sub>H<sub>30</sub>O<sub>5</sub>S  
**Molecular Weight:** 466.60

Test	Specification
Appearance:	Dark Green to brown to red-brown to purple crystalline powder
Clarity of solution	To pass test
Melting Point:	221 - 224 deg. C
Visual transition interval (acid range)	pH 1.2 (red) to pH 2.8 (yellow)
Visual transition interval (alkaline range)	pH 8.0 (yellow) to pH 9.2 (blue)
Loss on drying (at 110 Deg. C/1hr)	< 5.0%

Approved:

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