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## Certificate of Analysis

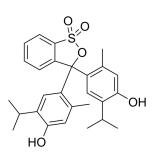
### Thymol blue

| Cat. No.:      | HY-D0219  |
|----------------|---|
| CAS No.:       | 76-61-9   |
| Batch No.:     | 179984  |
| Chemical Name: | Phenol, 4,4'-(1,1-dioxido-3H-2,1-benzoxathiol-3-ylidene)bis[5-methyl-2-(1-methylethyl)- |

#### PHYSICAL AND CHEMICAL PROPERTIES

| Molecular Formula: | C <sub>27</sub> H <sub>30</sub> O <sub>5</sub> S                    |
|--------------------|---|
| Molecular Weight:  | 466.59  |
| Storage:           | 4°C, protect from light   |
|                    | * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |

#### **Chemical Structure:**



#### ANALYTICAL DATA

Appearance:

Conclusion:

Brown to breen (Solid)

The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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