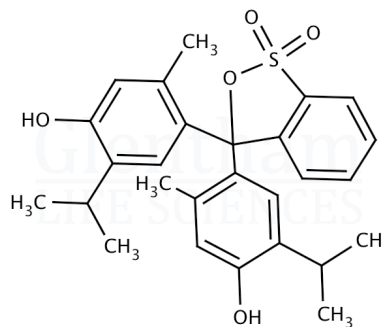


Certificate of Analysis

Product Name Thymol Blue
Glentham Code GT9755
CAS Number 76-61-9
EINECS 200-973-3
MDL Number MFCD00005869
PubChem SID 310280971
Batch Number 645VMM

Molecular Weight 466.60
Molecular Formula $C_{27}H_{30}O_5S$
Storage Temp. +20°C



Property	Specification	Batch 645VMM
Physical Description	Dark green to brown or black powder	Brown powder
pH Transition Range(s)	1.2 - 2.8 (red-greenish yellow)	Conforms
	7.8 - 9.5 (greenish yellow-blue)	Conforms
Solubility (0.1% in ethanol)	Clear solution	Clear solution
Wavelength(s) of Maximum Absorption	λ_1 : 431 - 436 nm (pH 7.8)	434.4 nm
	λ_2 : 594 - 598 nm (pH 9.5)	596.6 nm
Absorptivity (E1%, 1cm cell)	≥ 200 (pH 7.8, λ_1)	292
	≥ 450 (pH 9.5, λ_2)	535
Loss on Drying	$\leq 3.0\%$	2.57%
Dye Content	$\geq 95.0\%$	97.3%

Specification Version v1.0
Manufacture Date 2022-10-01
Re-Test Date 2032-07-01

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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