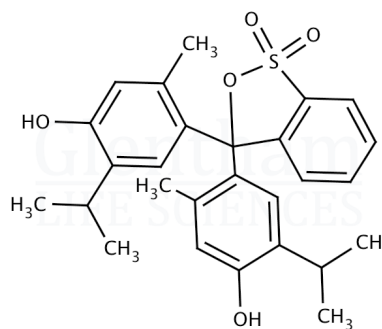


Product Specification

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

Molecular Weight	466.60
Molecular Formula	C ₂₇ H ₃₀ O ₅ S
Storage Temp.	+20°C



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

Specification Version	- v1.0
Date Created	- 2016-06-01

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

This document was generated electronically and is therefore valid without signature. © Glenthams Life Sciences Ltd, 2024