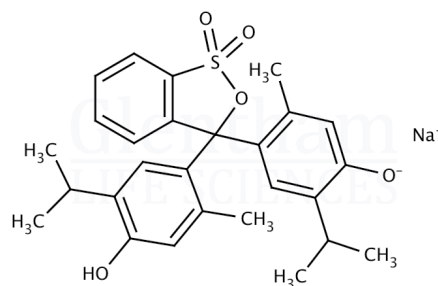


Certificate of Analysis

Product Name	Thymol blue sodium salt
Glentham Code	GT4225
CAS Number	62625-21-2
EINECS	263-650-6
MDL Number	MFCD00151093
PubChem SID	310280972
Batch Number	131SVJ
Molecular Weight	488.58
Molecular Formula	$C_{27}H_{29}NaO_5S$
Storage Temp.	+20°C



Property	Specification	Batch 131SVJ
Physical Description	Red-brown to dark brown or yellow powder	Dark orange powder
Solubility (0.1% in water)	Clear solution	Conforms
Wavelength of Maximum Absorption (λ_{max1})	430.0 - 436.0 nm (pH 7.8)	431.4 nm
Wavelength of Maximum Absorption (λ_{max2})	593.0 - 599.0 nm (pH 9.5)	596.2 nm
Absorptivity (1%/1cm)	≥ 190 (dried basis, λ_{max1})	255
Absorptivity (1%/1cm)	≥ 425 (dried basis, λ_{max2})	497
Loss on Drying	$\leq 10.0\%$ (110°C)	3.25%
Dye Content (Spectrophotometry)	$\geq 90.0\%$	94.6%

Specification Version	v1.0
Manufacture Date	2019-01-17
Re-Test Date	2029-09-05

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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