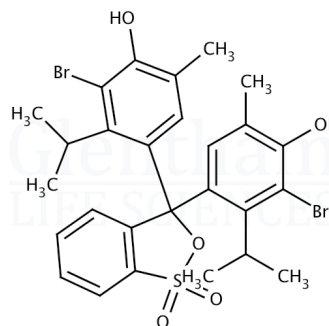


Certificate of Analysis

Product Name Bromothymol Blue
Glentham Code GT6837
CAS Number 76-59-5
EINECS 200-971-2
MDL Number MFCD00005872
PubChem SID 310269016
Batch Number 560KHG

Molecular Weight 624.39
Molecular Formula $C_{27}H_{28}Br_2O_5S$
Storage Temp. +20°C



Property	Specification	Batch 560KHG
Physical Description	Beige to light pink, light brown, red or green powder	Light pink powder
pH Transition Range	pH 5.8 (Yellow) to pH 7.6 (Blue)	Conforms
Solubility (0.1% in ethanol)	Clear solution	Clear, colourless solution
Wavelength of Maximum Absorption	λ_{1max} : 430 - 435 nm (pH 5.8)	431.2 nm
	λ_{2max} : 615 - 618 nm (pH 7.6)	616.0 nm
Absorptivity (E1%, 1cm cell)	260 - 300 (λ_{1max} , pH 5.8)	292
	470 - 520 (λ_{2max} , pH 7.6)	507
Loss on Drying	$\leq 3.0\%$ (110°C)	1.83%
Dye Content (Spectrophotometry)	$\geq 95.0\%$	97.5%

Specification Version v1.0
Manufacture Date 2018-12-17
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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