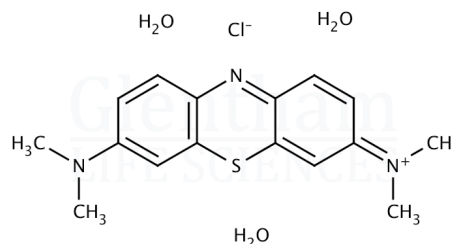


Certificate of Analysis

Product Name	Methylene Blue trihydrate (C.I. 52015); Ph. Eur. grade
Glentham Code	GE7263
CAS Number	7220-79-3
EINECS	200-515-2
Colour Index	52015
MDL Number	MFCD00012111
Additional CAS	61-73-4 (anhydrous)
Additional CAS	122965-43-9 ($\cdot xH_2O$)
Batch Number	323BWD

Molecular Weight	373.90
Molecular Formula	$C_{16}H_{18}ClN_3S \cdot 3H_2O$
Storage Temp.	+20°C



Property	Specification	Batch 323BWD
Physical Description	Dark green crystalline powder	Dark green crystalline powder
Identification (UV-VIS)	To pass test	Conforms
Wavelength of Maximum Absorption (λ_{max})	660 - 665 nm (50% in ethanol)	662nm
Absorptivity (1%/1cm)	2250 - 2750 (50% in ethanol)	2631
Loss on Drying	8.0 - 16.0 % (110°C)	10.7%
Pharmacopoeia Specification(s)	EP	Conforms

Specification Version	v1.0
Manufacture Date	2024-12-09
Re-Test Date	2031-10-02

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025