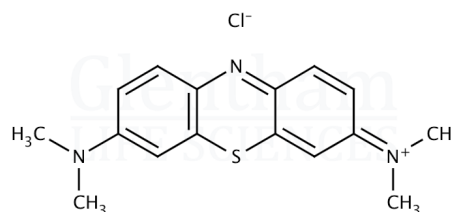


Certificate of Analysis

Product Name	Methylene Blue hydrate (C.I. 52015)
Glentham Code	GE9796
CAS Number	122965-43-9
EINECS	200-515-2
Colour Index	52015
MDL Number	MFCD00012111
Additional CAS	7220-79-3 ($\cdot 3\text{H}_2\text{O}$)
Additional CAS	61-73-4 (anhy.)
Batch Number	563EDY

Molecular Weight	319.85 (anhy.)
Molecular Formula	$\text{C}_{16}\text{H}_{18}\text{ClN}_3\text{S} \cdot x\text{H}_2\text{O}$
Storage Temp.	+20°C



Property	Specification	Batch 563EDY
Physical Description	Dark green crystalline powder	Dark green crystalline powder
Identification (IR)	To conform to standard	Conforms
Solubility (0.1% in water)	Clear, blue to dark blue solution	Clear, dark blue solution
Wavelength of Maximum Absorption (λ_{max})	660 - 665 nm (2mg/L in 50% ethanol)	662 nm
Zinc (Zn)	$\leq 0.02\%$	Conforms
Loss on Drying	$\leq 14.5\%$ (105°C, 1h)	10.5%
Assay	$\geq 98.0\%$ (dried basis)	99.0%

Specification Version	v1.0
Manufacture Date	2024-10-07
Re-Test Date	2031-09-26

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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