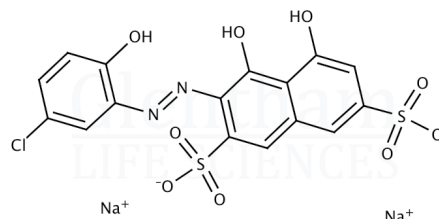


Certificate of Analysis

Product Name	Mordant Blue 13 (C.I. 16680)
Glenthams Code	GT3894
CAS Number	1058-92-0
EINECS	213-894-4
MDL Number	MFCD00003941
PubChem SID	310277306
Colour Index	16680
Batch Number	160GZM

Molecular Weight	518.81
Molecular Formula	$C_{16}H_9ClN_2Na_2O_9S_2$
Storage Temp.	+20°C



Property	Specification	Batch 160GZM
Physical Description	Dark green to dark red or black powder	Black powder
Wavelength of Maximum Absorption (λ_{max1})	551.0 - 556.0 nm (in methanol)	555.0nm
Wavelength of Maximum Absorption (λ_{max2})	525.0 - 530.0 nm (in methanol)	528.0nm
Absorptivity (1%/1cm)	≥ 320 (λ_{max1} , methanol)	413.5
Absorptivity (1%/1cm)	≥ 320 (λ_{max2} , methanol)	415.5

Specification Version	v1.0
Manufacture Date	2022-11-08
Re-Test Date	2025-11-06

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.

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