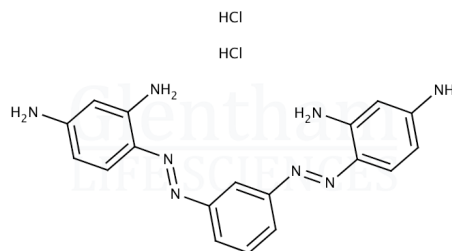


Certificate of Analysis

Product Name	Bismarck Brown Y (C.I. 21000)
Glentham Code	GT3348
CAS Number	10114-58-6
EINECS	233-314-3
Colour Index	21000
MDL Number	MFCD00012977
PubChem SID	310267902
Additional CAS	1052-38-6
Batch Number	258KYO

Molecular Weight	419.32
Molecular Formula	$C_{18}H_{18}N_8 \cdot 2HCl$
Storage Temp.	+20°C



Property	Specification	Batch 258KYO
Physical Description	Light brown to reddish brown or maroon powder	Red-brown powder
Dye Content	≥ 45.0%	46.0%
Wavelength of Maximum Absorption (λ_{max})	460 - 470 nm	468 nm

Specification Version	v1.0
Manufacture Date	2012-01-09
Re-Test Date	2029-12-17

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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