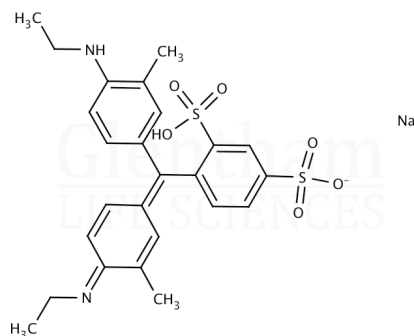


## Certificate of Analysis

Product Name	Xylene Cyanol FF (C.I. 42135)
Glenthams Code	GT4153
CAS Number	2650-17-1
EINECS	220-167-5
Colour Index	42135
MDL Number	MFCD00019481
PubChem SID	310281776
Batch Number	234MCO

Molecular Weight	538.61
Molecular Formula	$C_{25}H_{27}N_2NaO_6S_2$
Storage Temp.	+20°C



Property	Specification	Batch 234MCO
Physical Description	Light-green to dark green powder	Dark green powder
Identification (IR)	To conform to standard	Conforms to standard
Solubility (0.1% in water)	Clear, dark blue solution	Clear, dark blue solution
Wavelength of Maximum Absorption ( $\lambda_{max}$ )	612.0 - 618.0 nm (5mg/L in water)	614.0nm
Extinction Coefficient	$\geq 54000$ (at $\lambda_{max}$ , 5mg/L in water)	57440
Loss on Drying	$\leq 10.0\%$ (105°C)	4.3%
Assay	$\geq 75.0\%$	77.3%

Specification Version	v1.1
Manufacture Date	2022-12-01
Re-Test Date	2032-09-22

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](http://www.glenthams.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. © Glenthams Life Sciences Ltd, 2024