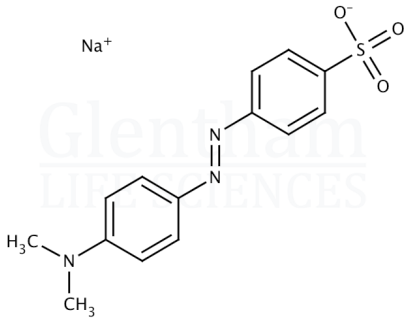
Glentham Life Sciences Ltd
Unit 5 Leafield Way
Corsham SN13 9SW
United Kingdom

t: +44 (0) 1225 667 798
f: +44 (0) 2033 978 909
e: info@glentham.com
w: www.glentham.com

Product Specification

Product Name	Methyl Orange (C.I. 13025)
Glentham Code	GT1067
CAS Number	547-58-0
EINECS	208-925-3
Colour Index	13025
MDL Number	MFCD00007502
PubChem SID	310276946
Molecular Weight	327.34
Molecular Formula	$C_{14}H_{14}N_3NaO_3S$
Storage Temp.	+20°C



Property	Specification
Physical Description	Orange to dark orange powder
Solubility (0.1% in water)	Clear, orange solution
pH Transition Range	3.1 - 4.4 (pink to orange-yellow, ACS)
Wavelength of Maximum Absorption (λmax)	465 - 474 nm (λmax1, pH 4.4)
	497 - 507 nm (λmax2, pH 3.1)
Absorptivity (1%/1cm)	750 - 850 (at λmax1)
	1050 - 1150 (at λmax2)
Loss on Drying	≤ 3.0% (110°C, 1h)
Dye Content	≥ 95.0%

Specification Version	-	v1.1
Date Created	-	2017-04-27

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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