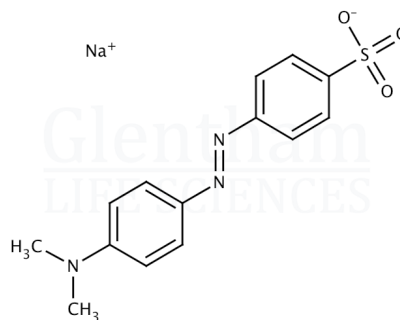


Product Specification

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 (λ_{max})	465 - 474 nm (λ_{max1} , pH 4.4) 497 - 507 nm (λ_{max2} , pH 3.1)
Absorptivity (1%/1cm)	750 - 850 (at λ_{max1}) 1050 - 1150 (at λ_{max2})
Loss on Drying	$\leq 3.0\%$ (110°C, 1h)
Dye Content	$\geq 95.0\%$

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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