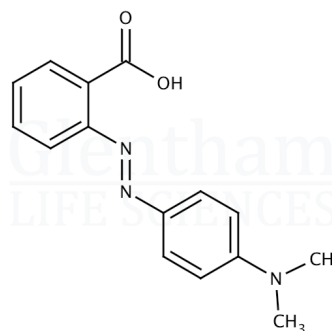


Certificate of Analysis

Product Name Methyl Red (C.I. 13020)
Glentham Code GT1411
CAS Number 493-52-7
EINECS 207-776-1
Colour Index 13020
MDL Number MFCD00002425
PubChem SID 310277044
Batch Number 056ZZX

Molecular Weight 269.30
Molecular Formula $C_{15}H_{15}N_3O_2$
Storage Temp. +20°C



Property	Specification	Batch 056ZZX
Physical Description	Red to dark red or purple powder	Dark purple powder
Solubility (0.1% in ethanol)	Clear, red solution	Conforms
pH Transition Range	4.2 - 6.2 (pink/red to yellow)	Conforms
Wavelength(s) of Maximum Absorption	λ_{max1} : 429.0 - 435.0 nm	432.6
	λ_{max2} : 523.0 - 529.0 nm	524.2
Absorptivity (1%/1cm)	700 - 800 (at λ_{max1} , pH 6.2)	774
	1300 - 1400 (at λ_{max2} , pH 4.2)	1355
Loss on Drying	$\leq 3.0\%$ (110°C, 1h)	2.3%

Specification Version v1.0
Manufacture Date 2022-07-31
Re-Test Date 2032-11-01

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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