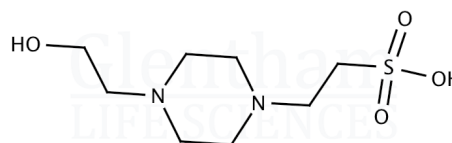


Certificate of Analysis

Product Name	HEPES, 99.5%, GlenCell™, suitable for cell culture
Glentham Code	GM5581
CAS Number	7365-45-9
EINECS	230-907-9
MDL Number	MFCD00006158
Batch Number	156DZB

Molecular Weight	238.31
Molecular Formula	$C_8H_{18}N_2O_4S$
Storage Temp.	+20°C



Property	Specification	Batch 156DZB
Physical Description	White crystalline powder	White crystalline powder
Solubility (25% in water)	Clear, colourless solution	Conforms
pH (5% in water)	5.0 - 6.5	5.3
Heavy Metals (as Pb)	≤ 5ppm	Conforms
Residue on Ignition	≤ 0.1%	0.0%
UV Absorption (1M in water)	260nm: ≤ 0.05	0.01
	280nm: ≤ 0.04	0.00
	405nm: ≤ 0.01	0.00
Loss on Drying	≤ 0.3%	0.1%
Endotoxins	≤ 50EU/g	2EU/g
Assay (Titration)	99.5 - 100.5 % (dried basis)	100.0%

Specification Version	v1.0
Manufacture Date	2023-03-04
Re-Test Date	2030-05-16

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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