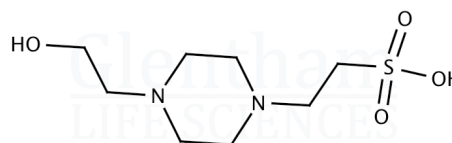


## Certificate of Analysis

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 280nm: ≤ 0.04 405nm: ≤ 0.01	0.01 0.00 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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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