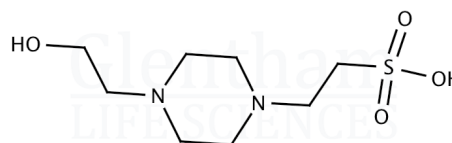


Certificate of Analysis

Product Name HEPES
Glentham Code GB3086
CAS Number 7365-45-9
EINECS 230-907-9
MDL Number MFCD00006158
PubChem SID 310274501
Batch Number 218GAF

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



| Property | Specification | Batch 218GAF |
|-----------------------------|----------------------------|--------------------------|
| Physical Description | White crystalline powder | White crystalline powder |
| Solubility (1M in water) | Clear, colourless solution | Conforms |
| pH (5% in water) | 5.0 - 6.5 | 5.3 |
| Loss on Drying | ≤ 0.5% | 0.2% |
| UV Absorption (1M in water) | 260nm: ≤ 0.05 | 0.01 |
| | 280nm: ≤ 0.04 | 0.01 |
| | 405nm: ≤ 0.01 | 0.00 |
| Residue on Ignition | ≤ 0.1% | 0.0% |
| Heavy Metals (as Pb) | ≤ 5ppm | Conforms |
| Assay (Titration) | ≥ 99.5% (dried basis) | 100.1% |

Specification Version v1.1
Manufacture Date 2022-06-14
Re-Test Date 2030-02-21

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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