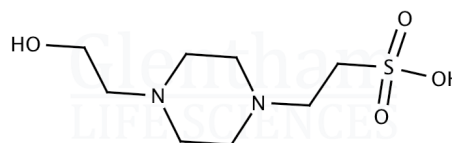


## Product Specification

|                   |                    |
|-------------------|--------------------|
| Product Name      | HEPES              |
| Glentham Code     | GB3086             |
| CAS Number        | 7365-45-9          |
| EINECS            | 230-907-9          |
| MDL-Nummer        | MFCD00006158       |
| PubChem SID       | 310274501          |
| Molecular Weight  | 238.31             |
| Molecular Formula | $C_8H_{18}N_2O_4S$ |
| Storage Temp.     | +20°C              |



| Property                    | Specification                                   |
|-----------------------------|-------------------------------------------------|
| Physical Description        | White crystalline powder                        |
| Solubility (1M in water)    | Clear, colourless solution                      |
| pH (5% in water)            | 5.0 - 6.5                                       |
| Loss on Drying              | ≤ 0.5%                                          |
| UV Absorption (1M in water) | 260nm: ≤ 0.05<br>280nm: ≤ 0.04<br>405nm: ≤ 0.01 |
| Residue on Ignition         | ≤ 0.1%                                          |
| Heavy Metals (as Pb)        | ≤ 5ppm                                          |
| Assay (Titration)           | ≥ 99.5% (dried basis)                           |
| Specification Version       | - v1.1                                          |
| Date Created                | - 2015-11-16                                    |

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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