

Product Datasheet

GB3086 - HEPES

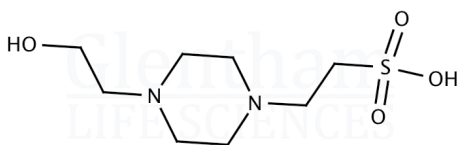
Product Details

Product Name	HEPES
Glentham Code	GB3086
CAS Number	7365-45-9
EINECS	230-907-9
MDL-Nummer	MFCD00006158
PubChem SID	310274501
Related Categories	Biochemicals, Buffers, Raw Materials (IVD), PCR, Reagents for Cell Culture, Reagents for Northern and Southern Blotting

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
	: 280nm: ≤ 0.04
	: 405nm: ≤ 0.01
Residue on Ignition	: ≤ 0.1%
Heavy Metals (as Pb)	: ≤ 5ppm
Assay (Titration)	: ≥ 99.5% (dried basis)
Version	: v1.1

Structure

Molecular Weight	: 238.31
Molecular Formula	: C ₈ H ₁₈ N ₂ O ₄ S



About HEPES

HEPES is a sulfonic acid buffering agent and one of Good's buffers. It is often used in cell culture due to its ability to maintain the pH of aqueous solutions despite changes in external carbon dioxide concentration.

Storage

Recommended storage temperature: +20°C.

Hazards and Transport

Not classified as hazardous under CLP.
Not classified as dangerous for transport.

Glentham Product Specification

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