

Specification

Technical Data Sheet

Product Name	HEPES (4-(2-Hydroxyethyl)piperazine-1-ethanesulfonic acid)
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Product No	47376574
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CAS Number	7365-45-9
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Storage Temperature	Ambient
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Molecular Weight	238.31
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Specification

Appearance	White free-flowing crystalline powder
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Heavy metals	≤5ppm
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Identification	Conforms to reference
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Loss on Drying	≤0.5%
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pH	4.8 - 5.6
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Assay	≥99.5%
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Chloride (Cl)	≤100ppm
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Specification

Iron (Fe)	≤5ppm
Residue on Ignition	≤0.1%
A260 (1M water)	≤0.050
A280 (1M water)	≤0.050
A405 (1M Water)	≤0.015
Endotoxin (0.2% solution)	≤0.1EU/ml
pKa (@ 20°C)	7.35 - 7.69
Solubility 1M water	Clear, Colourless solution
