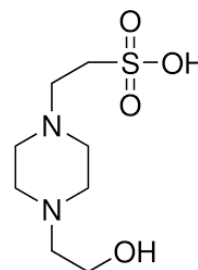


Product Specification

Product Name:

HEPES, PurReagent, ≥99.5 %

Product No.: PSR19974
Brand: PureSynth
CAS No.: 7365-45-9
Molecular Formula: C₈H₁₈N₂O₄S
Molecular Weight: 238.30 g/mol



Test	Specification
Appearance	White Crystalline Powder
Assay (By Titration) (on anhydrous basis)	≥ 99.5 %
Solubility (10% aq. solution)	Colorless Clear Solution
pH (5% aq. solution)	5.0 - 6.5
Loss on drying	NMT 0.5 %
Chloride (Cl)	NMT 0.01 %
Iron (Fe)	NMT 0.0005 %
Phosphate (P)	NMT 0.001 %
Sulphate (SO ₄)	NMT 0.01 %
Heavy metals (as Pb)	NMT 0.0005 %
Sulphated Ash	NMT 0.1 %
Absorbance at 290 nm (30% aq. Solution)	NMT 0.05
Impurities (Ag, As, Bi, Cd, Cu, Hg, Mo, Pb, Sb, Sn)	NMT 5.0 ppm
Identification by IR	Conforms to Structure

Specification: PR-1.0-QA/662

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For queries on this Specifications, please contact our technical team at technical@pure-synth.com