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Product Specifications

Catalogue Number	28312
Product	1,4-Piperazinedipropanesulfonic acid PIPPS
CAS Number	5625-56-9
Molecular Formula	C ₁₀ H ₂₂ N ₂ O ₆ S ₂
Molecular Weight	330.42
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Appearance	White powder
Solubility	Clear and complete solution (1.0% soln in NaHCO ₃ aqueous)
pKa	3.7 - 4.1 (25 °C) 7.8 - 8.2 (25 °C)
UV Ratios	UV (5% in 0.25N NaOH) A260 nm : ≤ 0.18 UV (5% in 0.25N NaOH) A280 nm : ≤ 0.15 UV (5% in 0.25N NaOH) A420 nm : ≤ 0.045
Loss on Drying	≤ 4%
Assay by titration	97 - 101% (On dried basis)
Application	A non-metal complexing, zwitterionic buffer with mixed-mode dissociation constants of pKa ₁ = 3.73 and pKa ₂ = 7.96 (100mM, 25°C)
Storage	Store at 0 - 8 °C

For Laboratory Use Only