

BUFFERS
BY

SORACHIM

HEPES (2-[4-(2-Hydroxyethyl)-1-piperaziny] ethanesulfonic acid)

HEP-112C

SPECIFICATIONS

CAS	7365-45-9
Form:	White crystalline powder
Formula:	$C_8H_{16}N_2O_4S$
Formula weight:	238.30
Assay:	> 99 %
Solubility (1M, H ₂ O):	Clear solution
pKa (20 °C):	7.35 - 7.69
Loss on drying (104 °C, 4h):	< 0.5 %
Residue on ignition:	< 0.1 %
pH (1%, H ₂ O):	4.8 - 5.6
A ₂₆₀ (1M, H ₂ O):	< 0.05
A ₂₈₀ (1M, H ₂ O):	< 0.05
Heavy metals (as Pb):	< 5ppm
Fe:	< 5 ppm
Storage:	Room temperature. Protect from moisture and light.
Stability:	Stable at least 2 years at RT.

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