

BUFFERS  
BY

SORACHIM

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

HEP-112C

## SPECIFICATIONS

CAS	7365-45-9
Form:	White crystalline powder
Formula:	$C_8H_{18}N_2O_4S$
Formula weight:	238.30
Assay:	≥ 99 %
Solubility (0.1M, H <sub>2</sub> O):	Clear solution
pKa (25 °C):	7.35 - 7.75
Loss on drying (140°C, 0.5h):	≤ 1 %
pH (5%, H <sub>2</sub> O):	5.0 - 6.5
A <sub>260</sub> (1M, H <sub>2</sub> O):	≤ 0.05
A <sub>280</sub> (1M, H <sub>2</sub> O):	≤ 0.04
Storage:	Room temperature. Protect from moisture and light.
Stability:	Stable at least 2 years at RT.

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