

## Specification

**HEPES Sodium Salt for buffer solutions****A1070**

<b>Synonym</b>	4-(2-Hydroxyethyl)-Piperazine-1-Ethanesulfonic Acid Sodium Salt, N-(2-Hydroxyethyl)-Piperazine-N'-2-Ethanesulfonic Acid Sodium Salt
<b>state of matter</b>	Solid
<b>useful pH range</b>	pH 6.8 - 8.2
<b>pK<sub>a</sub> (20°C)</b>	7.55
<b>Formula</b>	C <sub>8</sub> H <sub>17</sub> N <sub>2</sub> NaO <sub>4</sub> S
<b>M</b>	260.28 g/mol
<b>CAS-No.:</b>	75277-39-3
<b>HS-No.:</b>	29335995
<b>EC-No.:</b>	278-169-7
<b>Storage:</b>	RT
<b>LGK:</b>	10 - 13
<b>Disposal:</b>	3
<b>WGK:</b>	1
<b>Specification</b>	
<b>Assay (titr., calc. on anhydrous subst.)</b>	min. 99 %
<b>Heavy metals (as Pb)</b>	max. 0.001 %
<b>Water (K.F.)</b>	max. 3 %
<b>A (1 cm/0.1 M in H<sub>2</sub>O)</b>	
<b>260 nm</b>	max. 0.1
<b>280 nm</b>	max. 0.05