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## HEPES free acid

**TC050**

### Cell Culture Tested

### Product Identifier

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CAS No.	:	7365-45-9
EC No.	:	230-907-9
Molecular Formula	:	C <sub>8</sub> H <sub>18</sub> N <sub>2</sub> O <sub>4</sub> S
Molecular Weight	:	238.30
Synonym	:	N-(2-Hydroxyethyl)piperazine-N'-(2-ethanesulphonic acid)
HS Code	:	2933 59 90
Storage	:	Below 30°C
Shelf life	:	4 years

### Technical Specification

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Appearance	:	Colourless or white crystals or powder or solid
Solubility	:	Clear colorless solution at 33.3 mg soluble in 1 mL of water
pH (1% in water at 25° C)	:	5.00 - 6.50
FTIR	:	Matches with the standard pattern
Loss on drying (at 105°C, 2 hr)	:	<= 1.00%
UV absorbance 1	:	<= 0.05 (C= 0.1M in water at 290 nm)
Assay (NaOH Titration, on dry basis)	:	99.00 - 102.00%
Cell Culture Test	:	Passes

### Safety Information

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UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	TL6809000
WGK	:	1