



MES Buffer

B-MES250

09/09

IUPAC Name	2-(N-Morpholino)ethanesulfonic acid, monohydrate 2-(4-Morpholino)ethanesulfonic acid, monohydrate
CAS Number	145224-94-8
Molecular formula	$C_6H_{13}NO_4S \cdot H_2O$
Molecular weight	213.25
Assay	$\geq 99.5\%$
pKa (25°C)	6.1
Useful pH range	5.5 – 6.7

Storage

Store in cool place.
Keep container tightly closed in a dry and well-ventilated place.

Physical properties

Appearance
Solubility in water (0.5M @ 20°C)
Water (%)
Melting point (°C)

Specification

White crystalline solid
Clear colourless solution
~ 8 %
> 300°C

Impurities

Heavy metals $\leq 5\text{ppm}$
 A_{260} 0.016
 A_{280} 0.009