



## MES Buffer (Lot 180201b)

**B-MES250**

**10/19**

<b>IUPAC Name</b>	2-(N-Morpholino)ethanesulfonic acid, monohydrate 2-(4-Morpholino)ethanesulfonic acid, monohydrate
<b>CAS Number</b>	145224-94-8
<b>Molecular formula</b>	C <sub>6</sub> H <sub>13</sub> NO <sub>4</sub> S•H <sub>2</sub> O
<b>Molecular weight</b>	213.25
<b>Assay</b>	≥ 99.85%
<b>pKa (25°C)</b>	6.1
<b>Useful pH range</b>	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  
A<sub>250</sub>

≤ 5ppm  
0.008