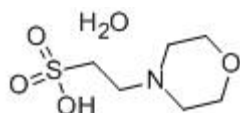


## Technical data sheet of MES monohydrate

Product	MES monohydrate
Chemical Name	2-(4-morpholinyl)ethanesulfonic acid hydrate;MES monohydrate
CAS	145224-94-8
Chemical Formula	C <sub>6</sub> H <sub>15</sub> NO <sub>5</sub> S
Molecular Weight	213.25
EINECS Number	224-632-3
Molecular structure	



### SPECIFICATION (FCC 12):

ITEM	STANDARD LIMITS
APPEARANCE	White Crystalline Powder
SOLUBILITY	Clear
COLOR of A 1M	Clear/Colorless
LOSS on DRYING	7-10%
PH	2.5-4.0
PKA(20°C)	6.02-6.25
HEAVY METALS(as	≤0.0010%
FE	≤0.0010%
CHLORIDE	≤0.01%
SULFATE	≤0.01%
ABSORBANCE	≤0.05
ASSAY	≥99.0%

### Packaging:

25kgs drum.

### Application:

- 1) Used in the synthesis of nanotechnology and nanoparticles as a potential therapy for Alzheimer's disease.
- 2) As biological buffer

### Shelf Life:

3 years in original packaging containers.