

## 3596 – 3-MORPHOLINOPROPANE SULPHONIC ACID (MOPS-BUFFER)

REF NO: TBL/QA/SS/LC/3596	STANDARD SPECIFICATION FOR 3- MORPHOLINOPROPANE SULPHONIC ACID (MOPS BUFFER)	Rev. No: 03
Issue No: 04		Review Date: 26/10/2024
Issue Date: 27/10/2021		Product code: 3596

### PRODUCT PROPERTIES

C.A.S Number	1132-61-2
Chemical Formula	C <sub>7</sub> H <sub>15</sub> NO <sub>4</sub> S
Formula weight	209.26
Functional Uses	MOPS, Free Acid are an MES structural analog and buffer agent with a pKa close to physiological pH.
Standard Packaging	25 gm. & 1 kg.

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline Powder.
Solubility	Soluble in water.
Clarity	Clear Solution

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (1M in H <sub>2</sub> O Soln. at 25°C)	2.5 – 4.0
Loss on Drying (110°C)	NMT – 1.0%
Sulphate (SO <sub>4</sub> )	NMT – 0.005%
Chloride (Cl)	NMT – 0.005%
Lead (Pb)	NMT – 0.0005%
Assay	NLT – 99.5%

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

