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Product Specifications

Catalogue Number	49526
Product	MES Monohydrate for molecular biology 2-(<i>N</i> -Morpholino)ethanesulfonic acid monohydrate 2-(4-Morpholino)ethanesulfonic acid monohydrate
CAS Number	145224-94-8
Molecular Formula	C ₆ H ₁₃ NO ₄ S•H ₂ O
Molecular Weight	213.25

Appearance	White crystalline powder
Solubility	Clear colorless solution 10% aq. Solution
Heavy Metals	≤ 0.001% (as Pb)
Anion	Sulphate (SO ₄ ²⁻): ≤ 0.01%
Cation	Iron (Fe): ≤ 0.0005%
Water Content (Karl Fisher)	≤ 10%
pH	3.0 - 3.5 (10% aq. solution)
Smooth curve	230 - 350 nm : To pass test
Absorbance	Absorbance of 10% aq. Solution in a 1cm cell/water at 250 nm : ≤ 0.1
DNase, RNase, Protease	Not detected
Sulfated Ash	≤ 0.2%
Assay by titration	≥ 99%
Grade	Molecular Biology
Storage	Store at RT

For Laboratory Use Only