

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **MES**
Specifications & Purity: for plant cell culture, ≥99.5%
SKU #: **M108952**

Parameter	Limit Values
Water by Karl Fischer	0-5 (%)
PH(25 °C, 0.5 M in Water)	2.5-4
Total aerobic microbial count (TAMC)	0-100 (cfu/g)
Endonuclease Detection	0-0.1 (EU/g)
Ignition Residue (as sulfate)	0-0.05 (%)
useful PH range	5.7-6.9
Appearance (M108952)	White powder or crystal or granule
DNases	none detected
Insoluble matter	pass
phosphatases	none detected
Plant cell culture test	pass
proteases	none detected
RNases	none detected
Solubility in H ₂ O , soluble , 1M , 20°C, clear, colorless	pass
Proton NMR spectrum	Conforms to structure
Purity(titration by NaOH)(anhydrous basis)	99.5-100.5 (%)