

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **MES**
 Specifications & Purity: for molecular biology, $\geq 99.5\%$ (T)
 SKU #: **M108951**

Parameter	Limit Values
Strontium(Sr)	0-5 (ppm)
Copper(Cu)	0-5 (ppm)
Sulfate(SO ₄ ²⁻)	0-50 (ppm)
Molybdenum(Mo)	0-5 (ppm)
Barium(Ba)	0-5 (ppm)
(Pb)Lead	0-5 (ppm)
Cadmium(Cd)	0-5 (ppm)
PH(25 °C, 0.5 M in Water)	2.5-4
Ignition Residue (as sulfate)	0-0.05 (%)
Chrome(Cr)	0-5 (ppm)
Magnesium (Mg)	0-5 (ppm)
Lithium(Li)	0-5 (ppm)
(As)Arsenic	0-0.1 (ppm)
Cobalt (Co)	0-5 (ppm)
Calcium(Ca)	0-20 (ppm)
Aluminum(Al)	0-5 (ppm)
UV Absorbance 260nm	0-0.025
Manganese(Mn)	0-5 (ppm)
Chloride (Cl ⁻)	0-50 (ppm)
Sodium(Na)	0-50 (ppm)
Purity(Neutralization titration)	99.5-100.5 (%)
Potassium(K)	0-50 (ppm)
Nickel(Ni)	0-5 (ppm)
Iron(Fe)	0-5 (ppm)
Zinc(Zn)	0-5 (ppm)
UV Absorbance 280nm	0-0.02
Water by Karl Fischer	0-5 (%)
Bismuth(Bi)	0-5 (ppm)
Appearance (M108951)	White Powder or Crystals
DNases	none detected
Infrared spectrum	Conforms to Structure
Insoluble matter	pass

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Parameter

phosphatases

proteases

RNases

Solubility in H₂O , soluble , 1M , 20°C, clear, colorless

λ,0.5 M in H₂O

pKa

Limit Values

none detected

none detected

none detected

pass

Pass

6.1