

Aladdin warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Aladdin-e.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Specification Sheet

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

| Parameter | Limit Values |
|----------------------------------|--------------------------|
| Strontium(Sr) | 0-5 (ppm) |
| Copper(Cu) | 0-5 (ppm) |
| Sulfate(SO42-) | 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 |

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Parameter

Infrared spectrum
Insoluble matter
phosphatases
proteases
RNases
Solubility in H₂O , soluble , 1M , 20°C, clear, colorless
λ,0.5 M in H₂O
pKa

Limit Values

Conforms to Structure
pass
none detected
none detected
none detected
pass
Pass
6.1

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