

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Specification Sheet

Product Name: **MES solution**  
Specifications & Purity: UltraBio™, Suitable for molecular biology, Ultra pure, 0.5 M in H<sub>2</sub>O  
SKU #: **M432725**

Parameter	Limit Values
Appearance(M432725)	Colorless Liquid
Solvent(H <sub>2</sub> O)	Conform
Concentration	0.45-0.55 (mol/L)
Aluminum(Al)	0-1 (ppm)
Barium(Ba)	0-1 (ppm)
Bismuth(Bi)	0-1 (ppm)
Calcium(Ca)	0-5 (ppm)
Cadmium(Cd)	0-1 (ppm)
Cobalt (Co)	0-1 (ppm)
Chromium(Cr)	0-1 (ppm)
Copper(Cu)	0-1 (ppm)
Iron(Fe)	0-1 (ppm)
Potassium(K)	0-20 (ppm)
Lithium(Li)	0-1 (ppm)
Magnesium (Mg)	0-1 (ppm)
Manganese(Mn)	0-1 (ppm)
Molybdenum(Mo)	0-1 (ppm)
Sodium(Na)	0-20 (ppm)
Nickel(Ni)	0-1 (ppm)
Lead(Pb)	0-1 (ppm)
Strontium(Sr)	0-1 (ppm)
Zinc(Zn)	0-1 (ppm)
Chloride (Cl <sup>-</sup> )	0-10 (ppm)
Sulfate(SO <sub>4</sub> )	0-10 (ppm)
pH	2.5-4
UV Absorbance 260nm	< 0.01
UV Absorbance 280nm	< 0.01
Record the entire process by video	Conform