

Certificate of Analysis

Product Name: MES Free Acid Monohydrate, Ultra Pure
Cat #: M-090
CAS #: 145224-94-8
Lot #: Lot Specific
Retest Date[†]: Lot Specific
Storage: Store desiccated at room temperature.

Test	Specs	Results
Appearance	White crystalline power	Complies
Assay (titration, dry basis)	≥99.0%	>99.0%
pKa (20°C)	6.05-6.25	Complies
Solubility (10% solution, water)	clear	Complies
pH (1.0% aqueous solution, 25°C)	2.5-4.0	Complies
Heavy Metals (Pb)	≤10 ppm	<10 ppm
Sulfate	≤100 ppm	<100 ppm
Fe Content	≤10 ppm	<10 ppm
Chloride	≤100 ppm	<100 ppm
Loss on Drying (110°C, 3 hours)	7-10%	Complies
Absorbance (280 nm, 10%)	≤0.05	<0.05

* Gold Biotechnology, Inc. provides this Certificate of Analysis in good faith and to the best of its knowledge. It should not be substituted for the user's own raw material quality control. This material is for laboratory use only.

† If provided, the Certificate of Analysis (COA) retest date corresponds to the recommended storage conditions provided on the COA. If no retest date is shown, the shelf-life for products is 2 years after purchase when stored according to COA recommendations. Retest dates are not rigid, and often only serve an informational purpose. COA retest dates are supplied by the manufacturer; however, GoldBio product labels may contain different storage recommendations to extend the life of the product beyond the manufacturer retest date or 2 years from purchase.

Gold Biotechnology, Inc.

1328 Ashby Rd.
 St. Louis, MO 63132
 P: (314)890-8778
 F: (314)890-0503
 E: contactgoldbio86@goldbio.com