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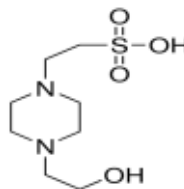
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

HEPES - BioXtra, suitable for mouse embryo cell culture, ≥99.5% (titration)

Product Number: H6147
Batch Number: SLBT3848
Brand: SIGMA
CAS Number: 7365-45-9
MDL Number: MFCD00006158
Formula: C₈H₁₈N₂O₄S
Formula Weight: 238.30 g/mol
Quality Release Date: 06 MAR 2017
Recommended Retest Date: JAN 2021



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Crystalline Powder	Crystalline Powder
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity)	Clear	Clear
500 mg/ml, H ₂ O		
Water (by Karl Fischer)	≤ 0.1 %	0.0 %
Infrared Spectrum	Conforms to Structure	Conforms
A290 UV absorbance	≤ 0.05	0.01
33% W/W		
Purity (Titr. by NaOH) anhyd.	≥ 99.5 %	100.5 %
Embryo Test	≥ 80 %	100 %
Single cell embryo reach blastocyte stage		
Heavy Metals (as Lead)	< = 5 ppm	< = 5 ppm

Rodney Burbach, Manager
 Analytical Services
 St. Louis, Missouri US

Sigma-Aldrich 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 Sigma-Aldrich.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.