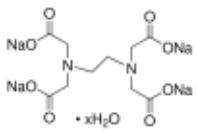
3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
Ethylenediaminetetraacetic acid tetrasodium salt hydrate – BioUltra, ≥99.0% (KT)

Product Number: **03699**
CAS Number: 194491-31-1

Formula: C10H12N2Na4O8 · xH2O
Formula Weight: 380,17 g/mol



TEST	Specification
Appearance (Colour)	Colorless or White
Appearance (Form)	Powder
Titration with ZnSO4	99.0 - 101.0 %
Infrared Spectrum	Conforms to Structure
Metal Trace Analysis (ICP)	Corresponds to Requirements
Aluminum (Al)	≤ 5 mg/kg
Barium (Ba)	≤ 5 mg/kg
Bismuth (Bi)	≤ 5 mg/kg
Calcium (Ca)	≤ 10 mg/kg
Cadmium (Cd)	≤ 5 mg/kg
Cobalt (Co)	≤ 5 mg/kg
Chromium (Cr)	≤ 5 mg/kg
Copper (Cu)	≤ 5 mg/kg
Iron (Fe)	≤ 5 mg/kg
Potassium (K)	≤ 50 mg/kg
Lithium (Li)	≤ 5 mg/kg
Magnesium (Mg)	≤ 5 mg/kg
Manganese (Mn)	≤ 5 mg/kg
Molybdenum (Mo)	≤ 5 mg/kg
Nickel (Ni)	≤ 5 mg/kg
Lead (Pb)	≤ 5 mg/kg
Strontium (Sr)	≤ 5 mg/kg
Zinc (Zn)	≤ 5 mg/kg

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.

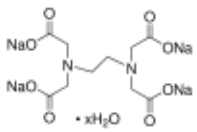
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Formula: C10H12N2Na4O8 · xH2O
Formula Weight: 380,17 g/mol



TEST	Specification
Arsenic (As) (MHS-AAS)	≤ 0.10 mg/kg
Total Sulfur as SO4 (ICP)	≤ 100 mg/kg
Chloride (Cl)	≤ 100 mg/kg
Appearance of solution (Clear Colorless) 1.36 g in 30 ml H2O (0.1 m)	Corresponds to Requirements
PH of Solution (PH) 1.36 g in 30 ml H2O (0.1 m)	11.0 - 12.0
Filtered (No Residue on Filter Test)	No Residue
UV Absorbance 260nm	≤ 1.500
UV Absorbance 280nm	≤ 0.060

Specification: PRE.0.ZQ5.10000021215

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