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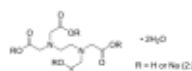
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Product Specification

Product Name:
Ethylenediaminetetraacetic acid disodium salt dihydrate – for electrophoresis, for molecular biology,
99.0–101.0% (titration)

Product Number: **E5134**
CAS Number: 6381-92-6
MDL: MFCD00150037
Formula: $C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$
Formula Weight: 372.24 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless to Faint Yellow
Solubility (Turbidity)	Clear
160 mg/mL, 3 M NaOH	
Proton NMR Spectrum	Conforms to Structure
Loss on Drying	7 - 11 %
Insoluble matter	≤ 0.005 %
DNAse, Exonuclease Detection	None Detected
NICKase, Endonuclease Detection	None Detected
RNAse Detection	None Detected
Protease Detection	None Detected
Iron (Fe)	≤ 0.005 %
Lead (Pb)	≤ 0.002 %
Limit of Nitrilotriacetic Acid	Pass
< or = 0.1%	
Suitability	Suitable
Suitable for use in electrophoresis	
Titration with EDTA	99.0 - 101.0 %
Recommended Retest Period	-----
6 years	

Specification: PRD.4.ZQ5.10000007030

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.