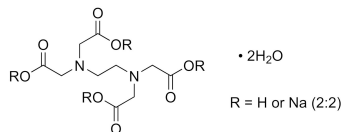


# Certificate of Analysis

**Product Name :** Ethylenediaminetetraacetic acid disodium salt dihydrate ACS reagent, 99.0-101.0%  
**Product Number :** E4884-VAR  
**Batch Number :** 0000446438  
**Source Batch :** 0000429581  
**CAS Number :** 6381-92-6  
**Molecular Formula :**  $C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$   
**Formula Weight :** 372.24 g/mol  
**Recommended Retest Date :** Feb 2031  
**Quality Release Date :** 14 Apr 2025



Test	Specification	Result
Loss on Drying	7 - 11 %	10 %
Assay	99.0 - 101.0 %	99.9 %
Insoluble Matter	≤ 0.005 %	0.004 %
pH	4.0 - 6.0	4.5
5% at 25 deg C		
Limit of Nitrilotriacetic Acid	Pass	Pass
< or = 0.1% (HOCOCH <sub>2</sub> ) <sub>3</sub> N		
Heavy Metals	Pass	Pass
(by ICP-OES) ≤ 0.005%		
Iron (Fe)	Pass	Pass
< or = 0.01%		
Meets ACS Requirements	Current ACS Specification	Conforms

Jagodige Yasomanee, Supervisor

Quality Assurance

St. Louis, Dekalb

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](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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