

## Certificate of Analysis

Date of Testing: 2023-07-31 17:07:50  
Date of Next Testing: 2025-07-20 17:07:50  
Product Name: **Ethylenediaminetetraacetic acid disodium salt dihydrate**  
CAS Number: 6381-92-6  
Specifications & Purity: for electrophoresis, for molecular biology, 99%  
Lot #: G2320693  
SKU #: **E118595**  
Analysis: **196248**

Parameter	Limit Values	Result
Lead(Pb)	0-0.002 (%)	0.00 %
Purity Titration by EDTA	99-101 (%)	99.73 %
Iron(Fe)	0-0.005 (%)	0.00 %
Insoluble matter in H <sub>2</sub> O	0-0.005 (%)	0.00 %
Nitrilotriacetic acid[(HOCOCH <sub>2</sub> ) <sub>3</sub> N]	0-0.1 (%)	0.05 %
Appearance (E118595)	White powder	White powder
DNases,RNases,	none detected	none detected
Electrophoresis test	pass	Pass
phosphatases	none detected	none detected
proteases	none detected	none detected
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in 3 M NaOH	Colorless Clear,16 g + 100 mL	Colorless Clear,16 g + 100 mL
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager