

Certificate of Analysis

Product Name:

Disodium Edetate (EDTA Disodium)

Product Information

- Product Number: EDTA-NA2-CAS6381926-202608
- Batch Number: EDTA-2026082001
- Brand: SIGALD
- CAS Number: 6381-92-6
- MDL Number: MFCD00003767
- Formula: $C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$
- Formula Weight: 372.24 g/mol
- Quality Release Date: 20 AUG 2026

Test Item	Specification (Industrial Standard)	Result	Test Method
Appearance	White crystalline powder	White crystalline powder	Visual Inspection
Assay (as $C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$)	≥ 99.0%	99.5%	Complexometric Titration (Zn ²⁺ Standard Solution)
pH Value (1% Aqueous Solution, 25°C)	4.0-6.0	5.1	Digital pH Meter
Water Content	8.5-11.5%	9.8%	Karl Fischer Titration
Heavy Metals (Pb)	≤ 0.0005%	0.0001%	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	≤ 0.0001%	0.00004%	Atomic Fluorescence Spectrometry (AFS)
Iron (Fe)	≤ 0.001%	0.0003%	Atomic Absorption Spectrometry (AAS)
Chloride (as Cl ⁻)	≤ 0.05%	0.01%	Silver Nitrate Titration
Sulfate (as SO ₄ ²⁻)	≤ 0.1%	0.03%	Barium Sulfate Gravimetric Method
Supplier Information	Confirmed	Confirmed	-
Registered Trademark	Confirmed	Confirmed	-

This batch of product meets the specified industrial standards and is qualified for use.

Issue Date: 20 AUG 2025