



EDTA-4Na Solution

(Ethylenediaminetetraacetic acid, tetrasodium salt)

CAS No.: 64-02-8

Chemical Formula: $C_{10}H_{16}N_2O_8$

EDTA-4Na is a clear, colorless aqueous solution widely used in personal care, cleaning, and industrial applications. It functions as a chelating agent, binding metal ions and preventing them from interfering with product stability or performance. EDTA-4Na also enhances the effectiveness of preservatives, antioxidants, and surfactants, improving overall formulation efficiency.

KEY FEATURES

- High chelating capacity for polyvalent metal ions
- Enhances preservative and antioxidant performance
- Improves cleaning and stability in formulations
- Versatile use across personal care, household, and industrial products

APPLICATIONS

- Personal Care – shampoos, creams, lotions, cosmetics
- Household & Institutional Cleaning – detergents, surface cleaners, sanitizers
- Industrial Processes – textiles, paper, water treatment, and chemical formulations

TYPICAL SPECIFICATIONS

Parameter	Specification
Assay (%)	≥ 39.0
Chelate Value (mg $CaCO_3$ /g)	≥ 100
Specific Gravity (25 °C)	1.26 – 1.35
NTA (%)	≤ 2.0
pH (1% aqueous solution)	11.0 – 12.0





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PLEASE READ CAREFULLY.**

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This document is subject to revision without notice as new data becomes available.

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PACKAGING

- Supplied in 1250 kg IBC totes

STORAGE

- Store in a cool, dry, well-ventilated area away from direct sunlight.
- Keep containers tightly closed when not in use.
- Typical shelf life: 12 months from date of manufacture if stored properly.

SAFETY & HANDLING

- Avoid direct contact with skin and eyes.
- Use appropriate personal protective equipment (PPE).
- Refer to the Safety Data Sheet (SDS) for complete information on safe handling, exposure controls, and first aid measures.