

TMB 032 – EDTA SODIUM SALT (DIHYDRATE) (Molecular Biology Grade)

REF NO: TBL/QA/SS/LC/TMB 032	STANDARD SPECIFICATION FOR EDTA SODIUM SALT (DIHYDRATE) (Molecular Biology Grade)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: TMB 032

PRODUCT PROPERTIES

C.A.S Number	6381-92-6
Chemical Formula	$C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$
Formula weight	372.24
Functional Uses	EDTA, disodium salt, dihydrate, for molecular biology is extensively used as a chelator of divalent cations such as Ca ²⁺ .
Standard Packaging	500 gm & 1Kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White free flowing powder.
Solubility	Soluble in water.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (5% Soln.at 25°C)	4.3 – 4.7
Chloride (Cl)	NMT – 0.004%
Sulphate (SO ₄)	NMT – 0.02%
Iron (Fe)	NMT – 0.001%
Heavy Metals (Pb)	NMT – 0.0005%
DNases/ RNases	None Detected
Assay	NLT – 99.0%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.