

Technical Data Sheet

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Item Name:

EDTA

PRODUCT INFORMATION

Chinese Name:	乙二胺四乙酸
Commodity Name:	EDTA
Chemical Name:	Ethylene Diamine Tetraacetic Acid
Other Name:	Edetic Acid, Ethylenediaminetetraacetic Acid
CAS No.:	60-00-4
Molecular Weight:	292.248
Molecular Formula:	C ₁₀ H ₁₆ N ₂ O ₈

PRODUCT DESCRIPTION

Ethylenediamine tetraacetic acid (EDTA) is a kind of organic compounds. It's white powder under atmospheric pressure. It is a kind of chelating agent which can act with Mg²⁺, Ca²⁺, Mn²⁺, Fe²⁺. Because most nucleic acid enzymes and the role of some protein enzymes need Mg²⁺, so it's often used as inhibitors for nucleic acid enzyme.

TECHNICAL SPECIFICATION

Index	Standard
Appearance	Colorless to white crystalline powder
Assay by wt %	99 min
Chloride (Cl) by wt %	0.05 max
Sulfate (SO ₄) by wt %	0.05 max
Heavy metal (Pb) by wt %	0.001 max
Ferrum by wt %	0.001 max
Chelating Value	339 min
pH Value	2.8 - 3.0

MAIN APPLICATION

EDTA is an important kind of complexing agent. Application of it is very wide, it can be used for bleaching of color photographic materials in washing process, dyeing auxiliaries, fiber processing additives, cosmetic additives, blood anticoagulant, detergent, stabilizing agent, synthetic rubber polymerization initiator, EDTA is a represent material for chelating agent. it can form stable water-soluble complex with alkali metals, transition metal and rare earth element and so on. Also it's a kind of water treatment agent and tracer agent.

PACKING, LOADING AND SHELF LIFE

Packing: 25kg PP bag with PE liner

Loading: 22mt/20'fcl w/o pallet, 20mt/20'fcl on pallets

Shelf Life: 24 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

DISCLAIMER

The information provided in this data sheets is for informational purposes only is considered reliable, but Rawchem doesn't guarantee how any other products associated with this information will behave in combination with variables to other matters. It's recommended to make adaptations to local working conditions and to the raw material to be used.