



## TECHNICAL DATA SHEET

# ETHYLENE DIAMINE TETRA ACETIC ACID (EDTA) AR

## EDTA

Article No.	105100500	Molecular Formula	C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> O <sub>8</sub>
H.S. Code	2922.4995	Molecular Weight	292.24
CAS No.	60-00-4		

## Physical Properties

Physical state at 20 °C	Solid
Colour	White crystalline
Odour	Odorless
pH value	2.5 at 10 g/l at 23 °C
Melting point [°C]	250 °C
Decomposition point [°C]	240 °C
Density [g/cm <sup>3</sup> ]	1.02
Solubility in water [% weight]	Soluble in water
Partition coefficient Log Pow octanol / water at 20°C	-3.34

## Specifications

Assay (Complexometric) % 99.4- 100.6  
Ammonia insoluble components % Max 0.005  
Iron (Fe) % Max 0.001  
Nitrilotriacetic acid (HPLC) % Max 0.1  
Water % Max 0.2  
Residue on ignition % Max 0.1  
Chloride (Cl) % Max 0.01  
Heavy metals (as Pb) % Max 0.001  
Calcium (Ca) % Max 0.001  
Magnesium (Mg) % Max 0.0005

## Safety Information and Hazard Symbols

Symbol	GHS07, GHS08
Signal Word	Warning

Hazardous Statement	H319-H332-H373
Precaution Statement	P260-P261-P264-P271-P280-P304+P340-P305+P351+P338-P501