



Specification

CDTA ACS

Catalog Number: CD1010
CAS Number: 125572-95-4
Synonym(s): 1,2-Cyclohexanediaminetetraacetic Acid
Molecular Formula: $C_{14}H_{22}N_2O_8 \cdot H_2O$
Molecular Weight: 364.35
Storage: 15° – 30°C
Retest Period: 42 months from the date of manufacture

Test	Specification	Test Method
Assay	97.5 – 100.5%	ACS
Residue After Ignition	≤ 0.2%	ACS
Moisture (LOD)	4.4 – 5.4%	3.5 hours at 105°C
Heavy Metals	≤ 0.001%	ACS
Calcium	≤ 10mg/kg	ICP-MS
Cadmium	≤ 5mg/kg	ICP-MS
Cobalt	≤ 5mg/kg	ICP-MS
Chromium	≤ 5mg/kg	ICP-MS/KED
Copper	≤ 5mg/kg	ICP-MS
Iron	≤ 10mg/kg	ACS
Lead	≤ 5mg/kg	ICP-MS
Magnesium	≤ 5mg/kg	ICP-MS
Manganese	≤ 5mg/kg	ICP-MS
Nickel	≤ 5mg/kg	ICP-MS
Potassium	≤ 50mg/kg	ICP-MS
Sodium	≤ 50mg/kg	ICP-MS
Total Sulfur as SO ₄	≤ 100mg/kg	ICP-OES
Zinc	≤ 5mg/kg	ICP-MS
Chloride	≤ 50mg/kg	Chloride dipstick (30-600ppm)
Insoluble in dil. NaOH	≤ 0.01%	ACS

Approved:

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