



Certificate of Analysis

EDTA Disodium Salt Dihydrate ACS/USP/FCC

Catalog Number: ED1001
Lot Number: 0507902
CAS Number: 6381-92-6
Synonym(s): Ethylenediaminetetraacetic acid
Molecular Formula: $C_{10}H_{14}N_2O_8Na_2 \cdot 2H_2O$
Molecular Weight: 372.24
Storage: 15°C – 30°C
Date of Manufacture: September 23, 2017
Retest Date: September 22, 2022

Test	Specification	Result
Appearance	White crystalline powder	Conforms
Assay (Dry Basis)	99.0 – 101.0%	99.75%
Identification (A,B,C)	To meet requirements	Conforms
Solubility	Slightly soluble in water	Conforms
pH (5%)	4.0 – 6.0	4.35
pH (1%)	4.3 – 4.7	4.48
Moisture (LOD)	8.7 – 11.4%	9.62%
Insoluble Matter	≤ 0.005%	0.003%
Nitriloacetic Acid	≤ 0.1%	0.01%
Calcium	To pass test	Conforms
Heavy Metals	≤ 50ppm	< 50ppm
Iron	≤ 0.01%	< 0.008%
Lead	≤ 10mg/kg	5mg/kg
Residual Solvents: Only water was used during the manufacturing process.		

Approved by:

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