



Specification

EDTA Disodium Salt Dihydrate ACS/USP/FCC

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| Catalog Number: | ED1001 |
| CAS Number: | 6381-92-6 |
| Synonym(s): | Disodium ethylenediaminetetraacetate dihydrate, EDTA disodium salt, EDTA-Na ₂ , Edathamil, Edetate disodium salt dihydrate, Sequestrene Na ₂ |
| Molecular Formula: | C ₁₀ H ₁₄ N ₂ O ₈ Na ₂ • 2H ₂ O |
| Molecular Weight: | 372.2 |
| Storage: | 15°C – 30°C |
| Retest Period: | Five years from date of manufacture. |

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

Approved:

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