

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Ethylenediaminetetraacetic Acid Tetrasodium Salt Dihydrate,99.0-102.0% (T)

ITEM NUMBER: E109307
BRAND: Aladdin
CAS NUMBER: 10378-23-1
MDL NUMBER: MFCD00150025
FORMULA: C₁₀H₁₂N₂Na₄O₈ · 2H₂O
MOLECULAR WEIGHT: 416.20

| TEST | SPECIFICATION | | TARGET VALUE |
|---------------------|--------------------------------------|--------|--------------|
| | MIN. | MAX. | |
| Appearance | White powder | | |
| loss on drying | 6.6 % | 10.6 % | 10.6 % |
| pH(5 g/L, 25 ° C) | 10 | 12 | 12 |
| Proton NMR spectrum | Conforms to Structure | | |
| Purity | 99 % | 102 % | 102 % |
| sodium | 19.7 % | 23 % | 23 % |
| solubility in water | clear colorless solution at 160mg/ml | | |