

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : ETHYLENE DIAMINE TETRA ACETIC ACID TETRASODIUM SALT (DIHYDRATE) AR**

|                  |  |              |              |
|------------------|--|--------------|--------------|
| CAS No           | : 10378-23-1   | Product code | : 23183      |
| Mol. Formula     | : C <sub>10</sub> H <sub>12</sub> N <sub>2</sub> Na <sub>4</sub> O <sub>8</sub> .2H <sub>2</sub> O | Batch No.    | : MCAR-00991 |
| Mol. WT          | : 416.21   | Mfd.         | : Dec. 2024  |
| Date of analysis | : 23/12/24   | Exp.         | : Nov. 2029  |

| S.R | Test                             | Specification                       | Observation               |
|-----|----------------------------------|-------------------------------------|---------------------------|
| 1   | <b>Description</b>               | White powder or Crystalline powder. | White crystalline powder. |
| 2   | <b>Assay (Complexometric)</b>    | 99 % w/w min                        | 99.80% w/w                |
| 3   | <b>pH (5% aq. Solution)</b>      | 10 - 12                             | 10.96                     |
| 4   | <b>Chloride (Cl)</b>             | 0.004% max                          | < 0.004%                  |
| 5   | <b>Sulphate (SO<sub>4</sub>)</b> | 0.02% max                           | <0.02%                    |
| 4   | <b>Iron (Fe)</b>                 | 0.001% max                          | < 0.001%                  |
| 6   | <b>Heavy metals (as Pb)</b>      | 0.001% max                          | < 0.001%                  |

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**



**CHEMIST  
(Shruti)**

**[QC Incharge]**



**HEAD-QUALITY ASSURANCE  
(G.G.Salian)**

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