

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : tri-SODIUM CITRATE (DIHYDRATE) AR**

|                         |                               |                     |              |
|-------------------------|-------------------------------|---------------------|--------------|
| <b>CAS No</b>           | : 6132-04-3                   | <b>Product code</b> | : 25630      |
| <b>Mol. Formula</b>     | : $C_6H_5Na_3O_7 \cdot 2H_2O$ | <b>Batch No.</b>    | : MCAR-00647 |
| <b>Mol. WT</b>          | : 294.10                      | <b>Mfd.</b>         | : Sept. 2024 |
| <b>Date of analysis</b> | : 28/09/24                    | <b>Exp.</b>         | : Aug. 2029  |

| S.R | Test                                    | Specification                         | Observation               |
|-----|-----------------------------------------|---------------------------------------|---------------------------|
| 1   | Description                             | White crystals or crystalline powder. | White crystalline powder. |
| 2   | Assay (HClO <sub>4</sub> titration)     | 99.0% w/w min                         | 99.15% w/w                |
| 3   | pH (5% aq.solution)                     | 7.5 - 9.0                             | 7.53                      |
| 4   | Water insoluble matter                  | 0.003% max                            | 0.002%                    |
| 5   | Chloride (Cl)                           | 0.005% max                            | <0.005%                   |
| 6   | Sulphate (SO <sub>4</sub> )             | 0.005% max                            | <0.005%                   |
| 7   | Phosphate (PO <sub>4</sub> )            | 0.001% max                            | <0.001%                   |
| 8   | Iron (Fe)                               | 0.0005% max                           | <0.0005%                  |
| 9   | Ammonium(NH <sub>4</sub> )              | 0.001% max                            | <0.001%                   |
| 10  | Lead (Pb)                               | 0.0005% max                           | <0.0005%                  |
| 11  | Oxalate(C <sub>2</sub> O <sub>4</sub> ) | 0.01% max                             | <0.01%                    |
| 12  | Arsenic (As)                            | 0.00004% max                          | <0.00004%                 |
| 13  | Copper (Cu)                             | 0.0005% max                           | <0.0005%                  |
| 14  | Potassium (K)                           | 0.01% max                             | <0.01%                    |
| 15  | Reducing substance                      | Passes test                           | Passes test               |
| 16  | Readily carbonizable substance          | Passes test                           | Passes test               |

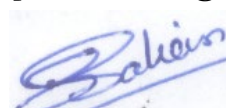
**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**



**CHEMIST**  
**(Sayli)**

**[QC Incharge]**



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

**MOLYCHEM H.Q.:** Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Reg. Office : 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai - 400 002 (INDIA)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.