

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : CITRIC ACID PURE (MONOHYDRATE)**

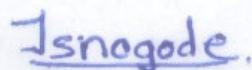
**CAS No : 5949-29-1**  
**Mol. Formula :  $C_6H_8O_7 \cdot H_2O$**   
**Mol. WT : 210.14**  
**Date of analysis : 23/09/24**

**Product code : 13660**  
**Batch No. : MCR-31987**  
**Mfd. : Sept. 2024**  
**Exp. : Aug. 2029**

| S.R | Test                                     | Specification                                    | Observation               |
|-----|------------------------------------------|--------------------------------------------------|---------------------------|
| 1   | Description                              | Colourless crystals or white crystalline powder. | White crystalline powder. |
| 2   | Assay (acidimetric)                      | 99.0 % w/w min                                   | 99.70% w/w                |
| 3   | Water                                    | 7.5 – 9 %                                        | 8.06%                     |
| 4   | Chloride (Cl)                            | 0.001% max                                       | < 0.001%                  |
| 5   | Sulphate (SO <sub>4</sub> )              | 0.01% max                                        | < 0.01%                   |
| 6   | Oxalate (C <sub>2</sub> O <sub>4</sub> ) | 0.05% max                                        | < 0.05%                   |
| 7   | Lead (Pb)                                | 0.01% max                                        | < 0.01%                   |
| 8   | Iron (Fe)                                | 0.0005% max                                      | < 0.0005%                 |
| 9   | Zinc (Zn)                                | 0.001% max                                       | < 0.001%                  |
| 10  | Arsenic (As)                             | 0.0001% max                                      | < 0.0001%                 |
| 11  | Calcium (Ca)                             | 0.02% max                                        | < 0.02%                   |
| 12  | Barium (Ba)                              | 0.002% max                                       | < 0.002%                  |
| 13  | Readily carbonisable subs.               | passes test                                      | passes test               |
| 14  | Sulphated ash (600°)                     | 0.05% max                                        | 0.005%                    |

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

**[Tested By]**



**CHEMIST  
(Jyoti)**

**[QC Incharge]**



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

**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.**