

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : FORMIC ACID AR 98.0%**

**CAS No : 64-18-6**  
**Mol. Formula : H.COOH**  
**Mol. WT : 46.03**  
**Date of analysis : 18/05/24**

**Product code : 23325**  
**Batch No : MCAR-00173**  
**Mfd. : May 2024**  
**Exp. : April 2029**

| S.R | Test                          | Specification                                 | Observation                                   |
|-----|-------------------------------|-----------------------------------------------|-----------------------------------------------|
| 1   | Description                   | A clear colourless liquid with pungent odour. | A clear colourless liquid with pungent odour. |
| 2   | Assay(acidimetric)            | 98.0% w/w min                                 | 99.18% w/w                                    |
| 3   | Wt. per ml at 20°C            | 1.216 – 1.220g                                | 1.218g                                        |
| 4   | Freezing point                | Not below 5.5°C                               | 5.5°C                                         |
| 5   | Water insoluble matter        | Passes test                                   | Passes test                                   |
| 6   | Acetate (CH <sub>3</sub> COO) | 0.3 % max                                     | <0.3 %                                        |
| 7   | Non volatile matter           | 0.002% max                                    | 0.001%                                        |
| 8   | Chloride (Cl)                 | 0.0005% max                                   | <0.0005%                                      |
| 9   | Nitrogen compounds (N)        | 0.002% max                                    | <0.002%                                       |
| 10  | Sulphate (SO <sub>4</sub> )   | 0.001% max                                    | <0.001%                                       |
| 11  | Sulphite (SO <sub>3</sub> )   | 0.001% max                                    | <0.001%                                       |
| 12  | Copper (Cu)                   | 0.0005% max                                   | <0.0005%                                      |
| 13  | Iron (Fe)                     | 0.0003% max                                   | <0.0003%                                      |
| 14  | Lead (Pb)                     | 0.0005% max                                   | <0.0005%                                      |

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

**[Tested By]**



**CHEMIST**  
**(Asmita)**

**[QC Incharge]**



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

**Note:** Computer generated image requires no sign.

**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.**