



## **CERTIFICATE OF ANALYSIS**

**PRODUCT NAME : L-METHIONINE FOR BIOCHEMISTRY**

**CAS No : 63-68-3**  
**Mol. Formula : C<sub>5</sub>H<sub>11</sub>NO<sub>2</sub>S**  
**Mol. WT : 149.21**  
**Date of analysis : 09/02/22**

**Product code : 15900**  
**Batch No. : MCR-18082-02**  
**Mfd. : Feb. 2022**  
**Exp. : Jan. 2027**

| S. R | Test                                                              | Specification                         | Observation           |
|------|-------------------------------------------------------------------|---------------------------------------|-----------------------|
| 1    | Description                                                       | White to almost white powder .        | Almost white powder . |
| 2    | Assay (HClO <sub>4</sub> titration)                               | 99% min                               | 99.24%                |
| 3    | Specific rotation[α] <sup>20</sup> <sub>D</sub><br>(C= 2, 5N HCl) | + 22 <sup>0</sup> to +25 <sup>0</sup> | + 24.3 <sup>0</sup>   |
| 4    | Heavy metals (as Pb)                                              | 0.001 % max                           | < 0.001 %             |
| 5    | Loss on drying at 110 <sup>0</sup> c                              | 0.5% max                              | 0.4%                  |

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

**[Tested By]**

**[QC Incharge]**

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

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

**MOLYCHEM Office: 78/80 Babu Genu Road, Souri Bldg., 2<sup>nd</sup> Floor, Mumbai – 400 002 (INDIA)**  
**Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442. Email : [info@molychem.net](mailto:info@molychem.net)**  
**Works: Plot No. B/9, Badlapur M.I.D.C., OPP.Shobhavat Textile Co.,**  
**Kulgaon, Badlapur (E), Dist.-Thane-421 503**