



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : MORPHOLINE LR**

**CAS No : 110-91-8**

**Mol. Formula : C<sub>4</sub>H<sub>9</sub>NO**

**Mol. WT : 87.12**

**Date of analysis : 16/11/23**

**Product code : 16386**

**Batch No. : MCM-5914**

**Mfd. : Nov. 2023**

**Exp. : Oct. 2028**

| S. R | Test                            | Specification              | Observation                |
|------|---------------------------------|----------------------------|----------------------------|
| 1    | Description                     | A clear colourless liquid. | A clear colourless liquid. |
| 2    | Assay( G.C)                     | 98.5 % min.                | 98.76%                     |
| 3    | Wt. per ml at 20 <sup>0</sup> C | 0.998-1.000g               | 0.999g                     |
| 4    | Refractive index                | 1.453-1.455                | 1.454                      |
| 5    | Water                           | 0.5% max                   | 0.48%                      |

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

**[Tested By]**

**[QC Incharge]**

**CHEMIST  
(Asmita)**

**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.**

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