



## **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 : 13/01/22**

**Product code : 16386**

**Batch No. : MCR-24843**

**Mfd. : Jan. 2022**

**Exp. : Dec. 2026**

| S. R | Test                            | Specification              | Observation                |
|------|---------------------------------|----------------------------|----------------------------|
| 1    | Description                     | A clear colourless liquid. | A clear colourless liquid. |
| 2    | Assay( G.C)                     | 98.5 % min.                | 98.90 %                    |
| 3    | Wt. per ml at 20 <sup>0</sup> C | 0.998-1.000g               | 0.999 g                    |
| 4    | Refractive index                | 1.453-1.455                | 1.454                      |
| 5    | Water                           | 0.5% max                   | 0.05%                      |

**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.

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