



## **CERTIFICATE OF ANALYSIS**

**PRODUCT NAME : DIETHANOLAMINE LR**

|                         |                                                    |                     |                     |
|-------------------------|----------------------------------------------------|---------------------|---------------------|
| <b>CAS No</b>           | <b>: 111- 42- 2</b>                                | <b>Product code</b> | <b>: 14145</b>      |
| <b>Formula</b>          | <b>: C<sub>4</sub>H<sub>11</sub>NO<sub>2</sub></b> | <b>Batch No</b>     | <b>: MCR-24201</b>  |
| <b>Mol. WT</b>          | <b>: 105.14</b>                                    | <b>Mfd.</b>         | <b>: Sept. 2021</b> |
| <b>Date of Analysis</b> | <b>: 21/09/21</b>                                  | <b>Exp.</b>         | <b>: Aug. 2026</b>  |

| S. R | Test                            | Specification                                           | Observation                             |
|------|---------------------------------|---------------------------------------------------------|-----------------------------------------|
| 1    | Description                     | Clear colourless to faint yellow colour viscous liquid. | Clear colourless colour viscous liquid. |
| 2    | Assay (acidimetric)             | 98% min                                                 | 99.82%                                  |
| 3    | Wt. per ml at 20 <sup>0</sup> C | 1.096 – 1.100 g                                         | 1.097g                                  |
| 4    | Freezing point                  | 26 – 27 <sup>0</sup> C                                  | 26.4 <sup>0</sup> C                     |
| 5    | Melting point of picrate        | 108 - 110 <sup>0</sup> C                                | 109.1 <sup>0</sup> C                    |

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

**[Tested By]**

**[Q.C Incharge]**

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

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

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