



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : TRIETHANOLAMINE AR**

**CAS No : 102-71-6**  
**Mol. Formula : C<sub>6</sub>H<sub>15</sub>NO<sub>3</sub>**  
**Mol. WT : 149.19**  
**Date of analysis : 14/02/24**

**Product code : 26763**  
**Batch No. : MCRT-30395**  
**Mfd. : Feb. 2024**  
**Exp. : Jan. 2029**

| S.R | Test                        | Specification                                                                         | Observation                                                            |
|-----|-----------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| 1   | Description                 | Colourless or pale yellow, viscous hygroscopic liquid having a slight ammonical odour | Colourless, viscous hygroscopic liquid having a slight ammonical odour |
| 2   | Assay                       | 99.0 % min                                                                            | 99.54%                                                                 |
| 3   | Ethanolamine                | 0.1% max.                                                                             | <0.1%                                                                  |
| 4   | Diethanolamine              | 0.5% max.                                                                             | <0.5%                                                                  |
| 5   | Chloride (Cl)               | 0.0001% max.                                                                          | <0.0001%                                                               |
| 6   | Sulphate (SO <sub>4</sub> ) | 0.002% max.                                                                           | <0.002%                                                                |
| 7   | Heavy metals (as Pb)        | 0.0001% max.                                                                          | <0.0001%                                                               |
| 8   | Iron (Fe)                   | 0.0001% max.                                                                          | <0.0001%                                                               |
| 9   | Water                       | 0.1% max.                                                                             | 0.07%                                                                  |
| 10  | Copper(Cu)                  | 0.0001% max.                                                                          | <0.0001%                                                               |
| 11  | Sulphated ash               | 0.005% max.                                                                           | 0.003%                                                                 |

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

**[Tested By]**

**[QC Incharge]**

**CHEMIST**  
**(Deepa)**

**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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