

Certificate of Analysis

| Item Number | Product Description | Lot Number |
|-----------------|-------------------------------|---------------|
| CPB-T23040-1L | CHEMPURE Triethanolamine, 1 L | 201750-216188 |
| Formula | Molecular Weight | CAS Number |
| $C_6H_{15}NO_3$ | 149.2 | 102-71-6 |

QC TEST/RELEASE DATE: 06/22/2023

SUGGESTED RETEST DATE: 05/16/2025

| S.No | Test | Unit | Specifications | Test Value |
|------|------------------|------|-----------------------|------------|
| 1 | Appearance | | Clear to light liquid | passed |
| 2 | Assay | % | ≥ 99.0 | 99.2 |
| 3 | Diethanolamine | % | ≤ 0.50 | 0.42 |
| 4 | Monoethanolamine | % | ≤ 0.10 | 0.00 |
| 5 | Water (KF) | % | ≤ 0.5 | 0.0 |
| 6 | Iron | ppm | ≤ 10.0 | 0.3 |
| 7 | Color, PTCO | | ≤ 40 | 3 |

This is to certify that samples of the lot number above were tested and found to comply with the stated specifications. Some or all data have been provided by vendors/third parties. ChemPure Brand Chemicals expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular use or purpose. Certain products (USP/FCC/NF/EP/BP/JP grades) are sold for use in research and further manufacturing only. **NOT FOR DIRECT USE IN FOOD, DRUG, HUMANS, ANIMALS OR MEDICAL DEVICES.** Persons using this information should make their own determination regarding its suitability for their particular use.

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Certified By: **Imran Memon**
Q.C.Manager