

## Certificate of Analysis

|                     |                                                |                      |               |
|---------------------|------------------------------------------------|----------------------|---------------|
| <b>Product name</b> | Diglycolamine (DGA)                            | <b>Batch No.</b>     | 20210122024   |
| <b>CAS.No.</b>      | 929-06-6                                       | <b>Package</b>       | 200.00kg/drum |
| <b>M.F.</b>         | C <sub>4</sub> H <sub>11</sub> NO <sub>2</sub> | <b>MFG date</b>      | Jan.20, 2021  |
| <b>N.W.</b>         | 16,000.00kg                                    | <b>Analysis date</b> | Jan.20, 2021  |
| <b>G.W.</b>         | 17,680.00kg                                    | <b>Expiry date</b>   | Jan.19, 2022  |

| Items             | Specification   | Testing Results |
|-------------------|-----------------|-----------------|
| Appearance        | Clear liquid    | Conforms        |
| Diglycolamine, %  | ≥98.00          | 98.49           |
| Color, APHA       | ≤30             | <30             |
| Boiling range, °C | 218.00 ~ 224.00 | 219.00 ~ 224.00 |
| Density           | 1.04 ~ 1.06     | 1.05            |
| Moisture, %       | ≤0.50           | 0.32            |

|                    |                                                                                    |                   |             |                    |        |
|--------------------|------------------------------------------------------------------------------------|-------------------|-------------|--------------------|--------|
| <b>Prepared by</b> | Dong Mei                                                                           | <b>Checked by</b> | Wang Tianyi | <b>Approved by</b> | Liu Wu |
| <b>Conclusion</b>  | The Quality of the above said is in conformity with <u>Enterprise Standard</u> .   |                   |             |                    |        |
| <b>Storage</b>     | Stored in dry and ventilation place, far from heat and water.                      |                   |             |                    |        |
| <b>COA Issuer</b>  | Quality Control Team-Technology Department of Hefei TNJ Chemical Industry Co.,Ltd. |                   |             |                    |        |

