



## Unilong Industry Co., Ltd

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|                     |                                                |               |               |
|---------------------|------------------------------------------------|---------------|---------------|
| Product Name:       | Betaine                                        | Batch No.     | JL20190801    |
| Cas                 | 107-43-7                                       | MF Date       | Aug. 21, 2019 |
| Packing             | 25kg                                           | Analysis Date | Aug. 21, 2019 |
| Quantity            | 1MT                                            | Expiry Date   | Aug. 20, 2022 |
| Item                | Standard                                       |               |               |
| Molecular Formula   | C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> |               |               |
| EINECS              | 203-490-6                                      |               |               |
| MW                  | 117.15                                         |               |               |
| Appearance          | Powder                                         |               |               |
| Purity              | 99%                                            |               |               |
| Melting point       | 310 °C (dec.)                                  |               |               |
| Boiling point       | 218.95°C (rough estimate)                      |               |               |
| Density             | 1.00 g/mL at 20 °C                             |               |               |
| Storage conditions  | 2-8°C                                          |               |               |
| Acidity coefficient | 1.83(at 0°C)                                   |               |               |

### CERTIFICATE OF ANALYSIS

**Analyst:** Wen Qian

**Quality Assurance Officer:** Zhan Peng