



Unilong Industry Co., Ltd

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CERTIFICATE OF ANALYSIS

| Product Name: | Ethyl L(-)-lactate | Batch No. | JL20211025 |
|------------------------|--|---------------|------------------|
| Cas | 687-47-8 | MF Date | OCT. 25, 2021 |
| Packing | 25KG/DRUM 200KGS/DRUM | Analysis Date | OCT. 25, 2021 |
| Quantity | 5MT | Expiry Date | OCT. 24, 2023 |
| Item | Standard | | Result |
| Colour | Colorless to Almost colorless clear liquid | | colorless liquid |
| Stereochemical purity | $\geq 99\%$ | | 99.20% |
| content | $\geq 99\%$ | | 99.31 |
| acid value | ≥ 5.0 | | 5.2 |
| arsenate salt | ≤ 0.0002 | | < 0.0002 |
| heavy metal | ≤ 0.001 | | < 0.001 |
| specific density | 1.029-1.037 | | 1.034 |
| refraction index(20°C) | 1.408-1.422 | | 1.414 |
| Conclusion | Conforms to GB 1886.197-2016 | | |

Analyst: Wen Qian

Quality Assurance Officer: Zhan Peng