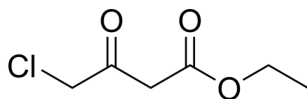


## Certificate of Analysis

### Compound Information

|                            |  |
|----------------------------|--|
| <b>Product Name:</b>       | Ethyl 4-chloroacetoacetate                     |
| <b>Cat. No.:</b>           | 1051000  |
| <b>CAS No.:</b>            | 638-07-3                                       |
| <b>Molecular Formula:</b>  | C <sub>6</sub> H <sub>9</sub> ClO <sub>3</sub> |
| <b>Molecular Weight:</b>   | 164.59   |
| <b>Chemical Structure:</b> |  |



### Batch Information

|                     |                     |
|---------------------|---------------------|
| <b>Batch No.:</b>   | Lg0217k11           |
| <b>Storage:</b>     | Storage temp. 2-8°C |
| <b>Test Date:</b>   | 2023-02-17          |
| <b>Retest Date:</b> | 2026-02-16          |
| <b>Origin:</b>      | Shanghai, China     |

### QC Summary

|                                    |   |
|------------------------------------|---|
| <b>Appearance:</b>                 | Colorless to light yellow (Liquid)                                      |
| <b><sup>1</sup>H NMR Spectrum:</b> | Consistent with structure   |
| <b>Purity (NMR):</b>               | ≥97.0%  |
| <b>Conclusion:</b>                 | The product has been tested and complies with the given specifications. |

**Caution: Research use only and are not intended for human use.**

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