Avocado Research Chemicals (Thermo Fisher Scientific)
Shore Road, Port of
Heysham Industrial Park
Heysham,
LA3 2XY, United Kingdom

# CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by LRQA. Certificate Number. 10551915

| | |
|---|---|
| Catalogue Number | A11070 |
| Lot Number | 10255633 |
| Description | Ethyl 4-chlorobutyrate, 97% |
| CAS Number | 3153-36-4 |
| Quality Test/Release Date | 25/Jun/2025 |
| Suggested retest date | 25/Jun/2030 |
| Country of Origin | India |
| Declaration of Origin | Synthetic |

| Result Name | Units | Specifications | Test Value |
|---|---|---|---|
| Assay (GC) | % | ≥96.0% | 97.2 |
| Appearance (Color) | | Clear colorless to yellow to brown | Clear pale yellow |
| Form | | Liquid | Liquid |
| Identification (FTIR) | | Conforms | Conforms |
| Refractive Index | | 1.4295-1.4335 @ 20°C | 1.4319 |

Paul Coleman
Site Quality Manager

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.