

## Certificate of Analysis

Date of Testing: 2024-06-18 16:23:35  
Date of Next Testing: 2027-06-18 16:23:35  
Product Name: **Ethyl 4,4,4-Trichloroacetoacetate**  
CAS Number: 3702-98-5  
Specifications & Purity: >97.0%(GC)  
Lot #: F2413346  
SKU #: **E156125**  
Version: **0**  
Analysis #: **371771**

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	97.63 %
Refractive index n <sub>20</sub> /D	1.468-1.47	1.47
Appearance (E156125)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager