

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-09 10:24:30  
Date of Next Testing: 2027-02-08 10:24:30  
Product Name: **Methyl chloroacetate**  
CAS Number: 96-34-4  
Specifications & Purity: CP, ≥98%  
Lot #: B2303984  
SKU #: **M104121**  
Version: **2**  
Analysis #: **184907**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Assay	99.5-100 (%)	99.61600%
Evaporation Residue	0-0.005 (%)	0.00000%
Refractive index n <sub>20</sub> /D	1.421-1.423	1.42210
Boiling point	128-131 (°C)	129.00000 °C
Acidity(as H+)/ (mmol/100g)	0-0.05	0.00000
Density (20°C)	1.235-1.238	1.23610
Appearance (M104121)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager