

## Certificate of Analysis

Date of Testing: 2023-01-06 13:31:43  
Date of Next Testing: 2027-01-05 13:31:43  
Product Name: **Isobutyl chloroformate**  
CAS Number: 543-27-1  
Specifications & Purity: 98%  
Lot #: A2304378  
SKU #: **I105738**  
Version  
Analysis #: **160164**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity (Argentmetric Titration)	97.5-102.5 (%)	99.90 %
Refractive index n <sub>20</sub> /D	1.406-1.408	1.41
Purity(GC)	98-100 (%)	99.68 %
Density (20°C)	1.044-1.047	1.04
Appearance (I105738)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager