

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-29 17:38:39  
Date of Next Testing: 2025-03-18 17:38:39  
Product Name: **2-Thiophenecarboxaldehyde**  
CAS Number: 98-03-3  
Specifications & Purity: 98%  
Lot #: C23241617  
SKU #: **T107122**  
**Analysis:** **197568**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.589-1.592	1.59
Density (20°C)	1.218-1.228	1.22
Purity(GC)	98-100 (%)	98.30 %
Water by Karl Fischer	0-0.5 (%)	0.04 %
Appearance (T107122)	Colorless to yellow brown liquid	Colorless to yellow brown liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager