

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-10-31 14:25:05  
Date of Next Testing: 2025-10-20 14:25:05  
Product Name: **2-Thiophenecarboxaldehyde**  
CAS Number: 98-03-3  
Specifications & Purity: 98%  
Lot #: L2109030  
SKU #: **T107122**  
**Analysis:** **275457**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.218-1.228	1.23
Purity(GC)	98-100 (%)	99.64 %
Water by Karl Fischer	0-0.5 (%)	0.28 %
Refractive index n <sub>20</sub> /D	1.589-1.592	1.59
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