

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-18 16:17:21

Date of Next Testing: 2026-07-17 16:17:21

Product Name: **4-Formylmorpholine**

CAS Number: 4394-85-8

Specifications & Purity: $\geq 99\%$

Lot #: G2209227

SKU #: **F111002**

Version: **0**

Analysis #: **103087**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.2 (%)	0.16780 %
Refractive index n _{20/D}	1.485-1.487	1.48520
Purity(GC)	99-100 (%)	99.83600 %
Crystallization point	22-24 (°C)	23.60000 °C
Density (20°C)	1.143-1.148	1.14500
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance (F111002)	colorless to light yellow liquid or white solid	Colorless to light yellow liquid or white solid



John Su
QA & QC Manager