

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-12-20 14:18:39

Date of Next Testing: 2027-12-19 14:18:39

Product Name: **4-Morpholinylcarbonyl Chloride**

CAS Number: 15159-40-7

Specifications & Purity: $\geq 97\%$

Lot #: L2308223

SKU #: **M157857**

Version: **0**

Analysis #: **296026**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	99.40000 %
Refractive index n ₂₀ /D	1.498-1.5	1.49910
Appearance (M157857)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager