

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-19 09:36:58

Date of Next Testing: 2027-08-19 09:36:58

Product Name: **4-Methyl-1-piperazinecarbonyl chloride hydrochloride**

CAS Number: 55112-42-0

Specifications & Purity: $\geq 97\%$

Lot #: B2208363

SKU #: **M138990**

Version: **1**

Analysis #: **555362**

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

Parameter	Limit Values	Result
Purity(Titration by HClO ₄)	96.5-102.5 (%)	96.51 %
Appearance (M138990)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager