

Certificate of Analysis

Date of Testing: 2024-12-09 12:19:17

Date of Next Testing: 2026-12-09 12:19:17

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

CAS Number: 55112-42-0

Specifications & Purity: $\geq 97\%$

Lot #: L2406307

SKU #: **M138990**

Version: **1**

Analysis #: **337699**

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

Parameter	Limit Values	Result
Purity(Titration by HClO ₄)	96.5-102.5 (%)	101.52 %
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



John Su
QA & QC Manager