

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-08 13:23:30

Date of Next Testing: 2026-12-07 13:23:30

Product Name: **1-(4-Chlorophenyl)piperazine dihydrochloride**

CAS Number: 38869-46-4

Specifications & Purity: 95%

Lot #: K2230904

SKU #: **C113578**

Analysis: **166261**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	97.90000 %
Purity (Argentmetric Titration)	95-105 (%)	95.20 %
Appearance (C113578)	white to light brown powder or crystals	white to light brown powder or crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager