

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-03 15:53:51

Date of Next Testing: 2026-11-02 15:53:51

Product Name: **4,4'-Bipiperidyl dihydrochloride**

CAS Number: 78619-84-8

Specifications & Purity: $\geq 95\%$

Lot #: J2229022

SKU #: **B301400**

Analysis: **139007**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Titration by AgNO ₃)	94.5-105.5 (%)	99.48 %
Appearance (B301400)	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