

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-10 18:36:57  
Date of Next Testing: 2027-03-09 18:36:57  
Product Name: **(R)-(-)-3-Aminopiperidine dihydrochloride**  
CAS Number: 334618-23-4  
Specifications & Purity: 98%  
Lot #: C2301566  
SKU #: **A119349**  
**Analysis: 061096**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.81700 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)	-3--1 (°)	-2.04 °
Melting point	206-210 (°C)	209.25000 °C
Appearance (A119349)	white to tan powder,crystals and/or chunks	white to tan powder,crystals and/or chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager