

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-08 11:52:05

Date of Next Testing: 2026-11-07 11:52:05

Product Name: **(R)-1-tert-Butyl 3-methyl piperazine-1,3-dicarboxylate hydrochloride**

CAS Number: 1251903-83-9

Specifications & Purity: $\geq 95\%$

Lot #: K2301271

SKU #: **R586783**

Version: **1**

Analysis #: **284964**

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

Parameter	Limit Values	Result
Purity(HPLC area)	95-100 (%)	95.76300 %
Optical purity(ee)	98-100 (%)	99.97310 %
LC-MS for identification	Conforms	Conforms
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager