

Certificate of Analysis

Date of Testing: 2023-11-06 11:00:45

Date of Next Testing: 2026-11-05 11:00:45

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

CAS Number: 1251903-83-9

Specifications & Purity: 95%

Lot #: K2301281

SKU #: **R586783**

Analysis: **284964**

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

Parameter	Limit Values	Result
Purity(HPLC area)	95-100 (%)	95.76 %
Optical purity(ee)	98-100 (%)	99.97 %
LC-MS for identification	Conforms	Conforms
NMR Spectrum 1H	Conforms to structure	Conforms to Structure

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

John Su
QA & QC Manager