

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-10-24 16:52:17

Date of Next Testing: 2027-10-24 16:52:17

Product Name: **1-tert-butyl 3-methyl (3S)-piperazine-1,3-dicarboxylate**

CAS Number: 314741-39-4

Specifications & Purity: $\geq 97\%$

Lot #: J2418748

SKU #: **T176098**

Version: **1**

Analysis #: **367521**

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

Parameter	Limit Values	Result
Purity(HPLC area)	97-100 (%)	97.27 %
Optical purity(ee)	98-100 (%)	99.80 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
LC-MS for identification	Conforms	Conforms

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

John Su
QA & QC Manager