

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-04 14:59:51

Date of Next Testing: 2026-08-03 14:59:51

Product Name: (S)-tert-Butyl 3-(cyanomethyl)piperazine-1-carboxylate

CAS Number: 1589082-06-3

Specifications & Purity: $\geq 97\%$

Lot #: G2322809

SKU #: S587458

Version: 1

Analysis #: 247402

Storage Temperature: Store at 2-8°C, Protected from light, Desiccated

Parameter	Limit Values	Result
Purity(HPLC area)	97-100 (%)	99.26100 %
Enantiomeric Excess	98-100 (%)	98.98000 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager