

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2021-11-12 13:40:45

Date of Next Testing: 2025-11-11 13:40:45

Product Name: **(1S,3R)-3-(tert-Butoxycarbonylamino)cyclopentanecarboxylic Acid**

CAS Number: 261165-05-3

Specifications & Purity: $\geq 95\%$

Lot #: K2110776

SKU #: **S161409**

Version: **0**

Analysis #: **051093**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	99.28000 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in MeOH})$	13-17 (°)	15.23700 °
Melting point	109-114 (°C)	109.10000 °C
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager