

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-01-27 11:39:33

Date of Next Testing: 2026-01-26 11:39:33

Product Name: **tert-Butyl 5-Norbornene-2-carboxylate (endo- and exo- mixture)**

CAS Number: 154970-45-3

Specifications & Purity: $\geq 95\%$ (GC)

Lot #: C1814141

SKU # **T161450**

Version **0**

Analysis #: **070727**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)(total of isomers)	95-100 (%)	99.53200 %
Refractive index n ₂₀ /D	1.458-1.462	1.46000
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager