

Certificate of Analysis

Date of Testing: 2025-01-10 15:01:09

Date of Next Testing: 2029-01-09 15:01:09

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

CAS Number: 154970-45-3

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

Lot #: D2113268

SKU # **T161450**

Version **0**

Analysis #: **461029**

Parameter	Limit Values	Result
Purity(GC)(total of isomers)	95-100 (%)	95.01 %
Refractive index n _{20/D}	1.458-1.462	1.46
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager