

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-10 09:34:14

Date of Next Testing: 2025-02-27 09:34:14

Product Name: **5-Norbornene-2-carboxylic acid (mixture of endo and exo)**

CAS Number: 120-74-1

Specifications & Purity: 99%

Lot #: H1525155

SKU #: **N111450**

**Analysis:** **196824**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.131-1.135	1.13
Purity( (sum of isomers)(GC)	99-100 (%)	99.14%
Purity(Neutralization titration)	98.5-101.5 (%)	98.91%
Refractive index n <sub>20</sub> /D	1.494-1.497	1.50
Appearance (N111450)	Colorless to White to light Yellow Liquid or Solid	Colorless to White to light Yellow Liquid or Solid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager