

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-01 15:59:23  
Date of Next Testing: 2024-11-20 15:59:23  
Product Name: **Bicyclo[2.2.1]hept-5-ene-2-carboxaldehyde**  
CAS Number: 5453-80-5  
Specifications & Purity: 98%  
Lot #: K2226290  
SKU #: **B111451**  
**Analysis:** **139070**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.486-1.49	1.49
Purity( (sum of isomers)(GC)	98-100 (%)	99.26 %
Density (20°C)	1.026-1.032	1.03
Appearance (B111451)	Colorless to light yellow liquid	Colorless to light yellow liquid
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager