

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-07-13 16:10:07  
Date of Next Testing: 2027-07-13 16:10:07  
Product Name: **Cyrene™**  
CAS Number: 53716-82-8  
Specifications & Purity: 98.5%  
Lot #: G2408537  
SKU #: **C478499**  
Version: **2**  
Analysis #: **377751**

Parameter	Limit Values	Result
Specific rotation [ $\alpha$ ] <sub>20/D</sub> (C=1 in EtOAc)	-275~-225 (°)	-249.60000 °
Water by Karl Fischer	0-0.5 (%)	0.20 %
Purity(GC)	98.5-100 (%)	99.00 %
BioRenewable Carbon	70-100 (%)	100.00000 %
Appearance(C478499)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager