

## Certificate of Analysis

Date of Testing: 2023-12-25 11:35:20  
Date of Next Testing: 2026-12-24 11:35:20  
Product Name: **Cyrene™**  
CAS Number: 53716-82-8  
Specifications & Purity: 98.5%  
Lot #: L2314161  
SKU #: **C478499**  
Analysis: **302265**

Parameter	Limit Values	Result
Specific rotation $[\alpha]_{20/D}(C=1 \text{ in EtOAc})$	-275~-225 (°)	-249.60000 °
Water by Karl Fischer	0-0.5 (%)	0.20 %
Purity(GC)	98-100 (%)	99.00 %
Appearance(C478499)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager