

## Certificate of Analysis

Date of Testing: 2023-05-13 16:54:50  
Date of Next Testing: 2027-05-12 16:54:50  
Product Name: **Cyclododecene (cis- and trans- mixture)**  
CAS Number: 1501-82-2  
Specifications & Purity: 95%  
Lot #: E2309591  
SKU #: **C153414**  
Analysis: **192443**

Parameter	Limit Values	Result
Purity(GC)	95-100 (%)	97.90%
Refractive index n <sub>20</sub> /D	1.484-1.487	1.49
Density (20°C)	0.873-0.876	0.87
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager