

## Certificate of Analysis

Date of Testing: 2023-10-09 16:03:42  
Date of Next Testing: 2025-10-08 16:03:42  
Product Name: **Levoglucosenone**  
CAS Number: 37112-31-5  
Specifications & Purity: > 96%(GC)  
Lot #: L2130084  
SKU #: **L130870**  
**Analysis: 283053**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(GC)	96-100 (%)	96.11 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in CHCL <sub>3</sub> )	-570--530 (°)	-540.30 °
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager