

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-07 09:30:08

Date of Next Testing: 2025-07-06 09:30:08

Product Name: **4-Chlorobutyraldehyde Diethyl Acetal**

CAS Number: 6139-83-9

Specifications & Purity: $\geq 97\%$ (GC)

Lot #: F23271223

SKU #: **C153304**

Version: **2**

Analysis #: **162151**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	98.14300 %
Refractive index n ₂₀ /D	1.426-1.43	1.42800
Density (20°C)	0.984-0.99	0.98700
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance(C153304)	Colorless to Orange to Green clear liquid	Colorless to Orange to Green clear liquid



John Su
QA & QC Manager