

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-02-25 16:33:12

Date of Next Testing: 2024-02-25 16:33:12

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

CAS Number: 6139-83-9

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

Lot #: B2223786

SKU #: **C153304**

Version: **2**

Analysis #: **063657**

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

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	97.22500 %
Refractive index n ₂₀ /D	1.426-1.43	1.42800
Density (20°C)	0.984-0.99	0.98400
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