

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-09-25 15:36:00

Date of Next Testing: 2027-09-24 15:36:00

Product Name: **1,3-Dichloropropane**

CAS Number: 142-28-9

Specifications & Purity:  $\geq 98\%$ 

Lot #: I2321032

SKU #: **D109184**Version: **0**Analysis #: **149982**

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.446-1.449	1.45
Purity(GC)	96-100 (%)	99.77%
Density (20°C)	1.184-1.192	1.19
Appearance (D109184)	colorless to pale yellow liquid	colorless to pale yellow liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

John Su  
QA & QC Manager