

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-04 11:48:06

Date of Next Testing: 2029-07-03 11:48:06

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

CAS Number: 142-28-9

Specifications & Purity:  $\geq 98\%$

Lot #: F2525042

SKU #: **D109184**

Version: **0**

Analysis #: **149982**

Storage Temperature: Room temperature

| Parameter                           | Limit Values                    | Result                          |
|-------------------------------------|---------------------------------|---------------------------------|
| Refractive index n <sub>20</sub> /D | 1.446-1.449                     | 1.44850                         |
| Purity(GC)                          | 96-100 (%)                      | 99.76900 %                      |
| Density (20°C)                      | 1.184-1.192                     | 1.18700                         |
| 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           |



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QA & QC Manager