

## Certificate of Analysis

Date of Testing: 2023-04-12 10:14:09

Date of Next Testing: 2025-04-11 10:14:09

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

CAS Number: 142-28-9

Specifications & Purity: standard for GC,  $\geq 99.5\%$ (GC)

Lot #: F2121016

SKU #: **D109185**

Analysis: **209511**

| Parameter                          | Limit Values          | Result                |
|------------------------------------|-----------------------|-----------------------|
| Refractive index n <sub>20/D</sub> | 1.446-1.449           | 1.45                  |
| Purity(GC)                         | 99.5-100 (%)          | 99.60 %               |
| Appearance (D109185)               | Colorless Liquid      | Colorless liquid      |
| Infrared spectrum                  | Conforms to Structure | Conforms to Structure |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager