

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-12-11 14:19:14  
 Date of Next Testing: 2027-12-10 14:19:14  
 Product Name: **1,2,4-Trichlorobenzene**  
 CAS Number: 120-82-1  
 Specifications & Purity: PureSpectra™, Spectrum pure  
 Lot #: L2301269  
 SKU #: **T103303**  
 Version: **1**  
 Analysis #: **295429**  
 Storage Temperature: Room temperature, Desiccated

| Parameter                           | Limit Values          | Result                |
|-------------------------------------|-----------------------|-----------------------|
| UV Absorbance 350nm                 | 0-0.05                | 0.04720               |
| Purity(GC)                          | 99-100 (%)            | 99.51000 %            |
| UV Absorbance 400nm                 | 0-0.01                | 0.00290               |
| Water by Karl Fischer               | 0-0.02 (%)            | 0.00630 %             |
| UV Absorbance 308nm                 | 0-1                   | 0.62070               |
| UV Absorbance 310nm                 | 0-0.5                 | 0.29280               |
| Refractive index n <sub>20</sub> /D | 1.57-1.573            | 1.57174               |
| UV Absorbance 375nm                 | 0-0.01                | 0.01000               |
| Appearance (T103303)                | Colorless Liquid      | Colorless liquid      |
| Infrared spectrum                   | Conforms to Structure | Conforms to Structure |
| λ, H <sub>2</sub> O reference       | Pass                  | Pass                  |



John Su  
QA & QC Manager