

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-21 17:09:21
Date of Next Testing: 2024-07-10 17:09:21
Product Name: **Methanol-12C,d4**
CAS Number: 811-98-3
Specifications & Purity: D,99.8% (0.05% v/v TMS)
Lot #: I2010034
SKU #: **M102264**
Analysis: 116178
Storage Temperature: Protected from light,Room temperature,Argon charged,Desiccated

| Parameter | Limit Values | Result |
|-----------------------|------------------|------------------|
| Water by Karl Fischer | 0-0.025 (%) | 0.01 % |
| Purity(GC) | 99-100 (%) | 99.07 % |
| Proton NMR (Atom % D) | 99.8-100 (atom%) | 99.85 atom% |
| Mass Balance(V/V TMS) | 0.046-0.06 (%) | 0.05 % |
| Appearance (M102264) | Colorless liquid | Colorless liquid |



John Su
QA & QC Manager