

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-22 10:49:23

Date of Next Testing: 2024-09-11 10:49:23

Product Name: **Methanol-12C,d4**

CAS Number: 811-98-3

Specifications & Purity: D,99.8% (0.03% v/v TMS)

Lot #: B1911102

SKU #: **M140114**

Analysis: **138521**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.17 %
Proton NMR (Atom % D)	99.8-100 (atom%)	99.99 atom%
Mass Balance(V/V TMS)	0.026-0.04 (%)	0.03 %
Water by Karl Fischer	0-0.025 (%)	0.01 %
Appearance (M140114)	Colorless liquid	Colorless liquid

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

John Su
QA & QC Manager