

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-06-20 11:40:01

Date of Next Testing: 2028-06-19 11:40:01

Product Name: **Nafion117 solution**

CAS Number: 31175-20-9

Specifications & Purity: ~5% in a mixture of lower aliphatic alcohols and water

Lot #: F2520004

SKU #: **N169478**

Version: **0**

Analysis #: **532670**

Storage Temperature: Room temperature

| Parameter             | Limit Values                          | Result                                |
|-----------------------|---------------------------------------|---------------------------------------|
| Water by Karl Fischer | 15-25 (%)                             | 20.00000 %                            |
| Solid content(w/v)    | 4-6 (%)                               | 6.00000 %                             |
| Appearance (N169478)  | Colorless to Very Faint Yellow Liquid | Colorless to Very Faint Yellow Liquid |
| Infrared spectrum     | Conforms to Structure                 | Conforms to Structure                 |

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

John Su  
QA & QC Manager