

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-01-13 14:53:46  
Date of Next Testing: 2029-01-12 14:53:46  
Product Name: **Nafion117 solution**  
CAS Number: 31175-20-9  
Specifications & Purity: ~5% in a mixture of lower aliphatic alcohols and water  
Lot #: A2608091  
SKU #: **N169478**  
Version: **0**  
Analysis #: **630955**  
Storage Temperature: Room temperature

| Parameter             | Limit Values                          | Result                                |
|-----------------------|---------------------------------------|---------------------------------------|
| Water by Karl Fischer | 15-25 (%)                             | 20.00 %                               |
| Solid content(w/v)    | 4-6 (%)                               | 5.00 %                                |
| Appearance (N169478)  | Colorless to Very Faint Yellow Liquid | Colorless to Very Faint Yellow Liquid |
| Infrared spectrum     | Conforms to Structure                 | Conforms to Structure                 |



John Su  
QA & QC Manager