

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-17 11:32:50

Date of Next Testing: 2027-05-16 11:32:50

Product Name: **Nafion™ perfluorinated resin solution**

CAS Number: 31175-20-9(Water)

Specifications & Purity: Polymer Content:5.0-5.4%,Water Content:42-48%,VOC Content:47-53%,Total Acid Capacity:1.03-1.12meq/g

Lot #: E2310126

SKU #: **P400486**

Version: **1**

Analysis #: **077848**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Water by Karl Fischer	42-48 (%)	45.90%
Assay(Perfluorosulfonic Acid/TFE)	5-5.4 (%)	5.30000 %
1-Propanol	45-51 (%)	47.40000 %
(meq/g) H+Available Acid Capacity	> 1	1.04000
(meq/g) H+Total Acid Capacity	1.03-1.12	1.04000
Viscosity(25°C,CP)	10-40	11.00000
Appearance(P400486)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager