

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-04-22 16:12:10

Date of Next Testing: 2026-04-21 16:12:10

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

CAS Number: 31175-20-9(Water)

Specifications & Purity: Polymer Content:20.0-22.0%,Water Content:32-36%,VOC Content:44-48%,Total Acid Capacity:1.03-1.12meq/g

Lot #: D2219118

SKU #: **P400488**

Version: **1**

Analysis #: **077855**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Water by Karl Fischer	32-36 (%)	33.90%
Assay(Perfluorosulfonic Acid/TFE)	20-22 (%)	20.90000%
Propanol	42-46 (%)	44.70000%
(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)	50-500	99.00000
Appearance(P400488)	Colorless Liquid	Colorless Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager