

## Certificate of Analysis

Date of Testing: 2023-03-24 09:17:52  
Date of Next Testing: 2026-03-23 09:17:52  
Product Name: **Nafion117 solution**  
CAS Number: 31175-20-9  
Specifications & Purity: ~5% in a mixture of lower aliphatic alcohols and water  
Lot #: C2317559  
SKU #: **N169478**  
**Analysis:** **159877**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Water by Karl Fischer	15-25 (%)	20.70%
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