

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-12-19 16:36:13  
Date of Next Testing: 2025-12-08 16:36:13  
Product Name: **Polyethylenimine, ethylenediamine branched**  
CAS Number: 25987-06-8  
Specifications & Purity: average Mw ~800, average Mn ~600  
Lot #: C2209030  
SKU #: **P121256**  
Analysis: **306417**

| Parameter             | Limit Values                            | Result                                  |
|-----------------------|---|---|
| viscosity             | 800-5000 (S)                            | 1750.00 S                               |
| Water by Karl Fischer | 0-2 (%)                                 | 1.02 %                                  |
| Appearance (P121256)  | Colorless to Pale Yellow Viscous Liquid | Colorless to Pale Yellow Viscous Liquid |
| Infrared spectrum     | Conforms to Structure                   | Conforms to Structure                   |
| Proton NMR spectrum   | Conforms to Structure                   | Conforms to Structure                   |



John Su  
QA & QC Manager