

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-10 08:58:33
Date of Next Testing: 2025-01-30 08:58:33
Product Name: **Polyethylenimine, ethylenediamine branched**
CAS Number: 25987-06-8
Specifications & Purity: average Mw ~800, average Mn ~600
Lot #: E2110114
SKU #: **P121256**
Analysis: **185551**

| Parameter | Limit Values | Result |
|-----------------------|-----------------------------------------|-----------------------------------------|
| viscosity | 800-5000 (cP) | 1000.00 S |
| Water by Karl Fischer | 0-2 (%) | 1.13 % |
| 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