

Shanghai Aladdin Biochemical Technology Co., LTD  
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

## Certificate of Analysis

Date of Testing: 2021-07-02 15:57:43  
Date of Next Testing: 2025-07-01 15:57:43  
Product Name: **Azelaic acid**  
CAS Number: 123-99-9  
Specifications & Purity: Moligand™, ≥99%  
Lot #: F2129092  
SKU #: **A108439**  
Version: **1**  
Analysis #: **021578**

| Parameter                                               | Limit Values          | Result                |
|---------------------------------------------------------|-----------------------|-----------------------|
| Purity (Titration by NaOH)                              | 98.5-101.5 (%)        | 98.50000 %            |
| Melting point                                           | 106-109 (°C)          | 107.78000 °C          |
| Purity(GC)                                              | 99-100 (%)            | 99.07300 %            |
| Appearance (A108439)                                    | white powder          | White powder          |
| Infrared spectrum                                       | Conforms to Structure | Conforms to Structure |
| Proton NMR spectrum                                     | Conforms to Structure | Conforms to Structure |
| Solubility,Colorless to light yellow liquid(5%,ethanol) | pass                  | Pass                  |

*John Su*  
John Su  
QA & QC Manager

