

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-05-28 17:20:15
Date of Next Testing: 2027-05-28 17:20:15
Product Name: **Poly(L-lactide)**
CAS Number: 33135-50-1
Specifications & Purity: ester terminated , Intrinsic viscosity : 3.3-4.3 dL/g (0.1% in CHCL3 at 25°C)
Lot #: E2423085
SKU #: **P477740**
Version: **1**
Analysis #: **358658**
Storage Temperature: Store at 2-8°C

| Parameter | Limit Values | Result |
|---|-----------------------------|-----------------------------|
| Viscosity(0.1 % (w/v) in chloroform(25 °C)) | 3.3~4.3 (dL/g) | 4.00000 DL/G |
| Tin(Sn) | 0-60 (ppm) | 15.00 ppm |
| Residual SolventsToluene | 0-890 (ppm) | 26.00000 ppm |
| ASSAY (GC,L-LACTID) | 0-0.1 (%) | 0.02000 % |
| Water by Karl Fischer | 0-0.5 (%) | 0.25 % |
| Sulfated Ash | 0-0.1 (%) | 0.10000 % |
| Appearance(P477740) | White to Off White Granules | White to Off White Granules |
| NMR Spectrum 1H | Conforms to structure | Conforms to Structure |



John Su
QA & QC Manager