

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-10-09 15:11:57
Date of Next Testing: 2028-10-08 15:11:57
Product Name: **Poly(L-lactide)**
CAS Number: 33135-50-1
Specifications & Purity: ester terminated , Viscosity 2.6~3.2dL/g (0.1% in CHCl₃, 25 °C)
Lot #: I2425561
SKU #: **P299052**
Version: **0**
Analysis #: **412552**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Tin(Sn)	0-60 (ppm)	15.00 ppm
Water by Karl Fischer	0-0.5 (%)	0.22 %
Sulfate Ash	0-0.1 (%)	0.10 %
Inherent Viscosity(0.1% in CHCl ₃ ,25°C)	2.6-3.2 (DL/G)	2.90 DL/G
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	27.00 ppm
Residual monomers L-Lactid (GC)	0-0.1 (%)	0.03 %
Heavy metals	0-10 (ppm)	9.00 ppm
Appearance (P299052)	White to Off-White Powder or Granules	White to Off-White Powder or Granules
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager