

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2025-06-21 11:46:53
Date of Next Testing:	2029-06-20 11:46:53
Product Name:	<b>Poly(L-lactide)</b>
CAS Number:	33135-50-1
Specifications & Purity:	ester terminated , Viscosity 2.6~3.2dL/g (0.1% in CHCl <sub>3</sub> , 25 °C)
Lot #:	F2520659
SKU #	<b>P299052</b>
Version	<b>0</b>
<b>Analysis #:</b>	<b>531089</b>
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 <sub>3</sub> ,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)	8.00 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