

Certificate of Analysis

Date of Testing: 2023-06-06 13:36:48

Date of Next Testing: 2027-06-05 13:36:48

Product Name: **Poly(L-lactide)**

CAS Number: 33135-50-1

Specifications & Purity: ester terminated

Lot #: E2329763

SKU # **P299052**

Analysis: 193183

Parameter	Limit Values	Result
Tin(Sn)	0-60 (ppm)	15.00 ppm
Water by Karl Fischer	0-0.5 (%)	0.19 %
Sulfate Ash	0-0.1 (%)	0.01 %
Inherent Viscosity(0.1% in CHCl ₃ ,25°C)	2.6-3.2 (DL/G)	2.60 DL/G
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	33.00 ppm
Residual monomers L-Lactid (GC)	0-0.1 (%)	0.02 %
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