

## Certificate of Analysis

Date of Testing: 2022-02-12 16:31:24

Date of Next Testing: 2026-02-11 16:31:24

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

CAS Number: 33135-50-1

Specifications &amp; Purity: ester terminated

Lot #: B2208502

SKU #: **P299052****Analysis: 063729**

Parameter	Limit Values	Result
Heavy metals	0-10 (ppm)	6.32 ppm
Tin(Sn)	0-60 (ppm)	14.00 ppm
Water by Karl Fischer	0-0.5 (%)	0.23 %
Sulfate Ash	0-0.1 (%)	0.10 %
Inherent Viscosity(0.1% in CHCl <sub>3</sub> ,25°C)	2.6-3.2 (DL/G)	3.00 DL/G
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	25.00 ppm
Residual monomers L-Lactid (GC)	0-0.1 (%)	0.04 %
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