

Certificate of Analysis

Date of Testing: 2023-07-14 09:21:42

Date of Next Testing: 2027-07-13 09:21:42

Product Name: **Poly(L-lactide-co-D,L-lactide)**

CAS Number: 52305-30-3

Specifications & Purity: ester terminated, L-Lactide: D,L-Lactide 70:30

Lot #: 11926136

SKU #: **P299056**

Analysis: **251488**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Heavy metals	0-10 (ppm)	10.00 ppm
D,L-Lactide(Quantitative NMR)	27-33 (Mole%)	30.00 Mole%
Tin(Sn)	0-60 (ppm)	15.00 ppm
Water by Karl Fischer	0-0.5 (%)	0.13 %
Sulfate Ash	0-0.1 (%)	0.00 %
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	16.00 ppm
L-Lactide(Quantitative NMR)	67-73 (Mole%)	70.00 Mole%
Lactide (GC)	0-0.1 (wt%)	0.05 wt%
Appearance (P299056)	White to off white granules or flakes	White to off white granules or flakes
Odor (almost odorless)	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager