

Certificate of Analysis

Date of Testing:	2024-06-29 14:14:21
Date of Next Testing:	2028-06-28 14:14:21
Product Name:	Poly(D,L-lactide)
CAS Number:	202832-99-3
Specifications & Purity:	Ester terminated, Mw 10,000-18,000
Lot #:	F2426262
SKU #	P707340
Version	1
Analysis #:	378566
Storage Temperature:	Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Identity Acid number	0-2 (mgKOH/g)	0.80000 mgKOH/g
Inherent Viscosity(0.1% in CHCl ₃ , 25°C)	0.16-0.24 (DL/G)	0.22 DL/G
Water by Karl Fischer	0-0.5 (%)	0.18 %
Residual monomer D,L-Lactide	0-0.5 (%)	0.35000 %
Residual Solvents(Toluene)(GLC-HS)	≤890 (ppm)	4.00000 ppm
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.00000 %
Total Residual Solvents	0-0.1 (%)	0.00000 %
Sn (Tin)	0-50 (ppm)	14.00000 ppm
Sulfated Ash	0-0.1 (%)	0.00100 %
Total microbial count	0-2000 (cfu/g)	5.00000 cfu/g
Yeasts and moulds	0-200 (cfu/g)	3.00000 cfu/g
Bacterial endotoxins	< 6 (EU/g)	3.00 EU/g
Molecular Weight	10000-18000	12000.00
Appearance(P707340)	White to Off White solid	White to Off White Solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager