

Certificate of Analysis

Date of Testing: 2025-06-11 13:25:56

Date of Next Testing: 2029-06-10 13:25:56

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

CAS Number: 202832-99-3

Specifications & Purity: ester terminated, Mw 18,000-28,000

Lot #: I2104470

SKU # **P299042**

Version **2**

Analysis #: **522266**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Identity Acid number	≤2 (mgKOH/g)	0.01000 mgKOH/g
Inherent Viscosity(0.1% in CHCl ₃ , 25°C)	0.25 – 0.35 (DL/G)	0.30 DL/G
Water by Karl Fischer	0-0.5 (%)	0.20 %
Residual monomer D,L-Lactide	≤0.5 (%)	0.02400 %
Residual Solvents(Acetone)(GC-MS)	≤0.1 (%)	0.00000 %
Total Residual Solvents	≤0.1 (%)	0.00000 %
Residual Solvents(Toluene)(GC-MS)	≤890 (ppm)	5.00000 ppm
Tin(Sn)	0-50 (ppm)	12.00 ppm
Sulfated Ash	< 0.1 (%)	0.01300 %
Bacterial endotoxins	< 6 (EU/g)	2.00 EU/g
Total microbial count	≤2000 (cfu/g)	7.40000 cfu/g
Yeasts and moulds	≤200 (cfu/g)	6.00000 cfu/g
Appearance (P299042)	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