

Certificate of Analysis

Date of Testing: 2024-10-28 09:50:47

Date of Next Testing: 2028-10-27 09:50:47

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

CAS Number: 202832-99-3

Specifications & Purity: acid terminated, Mw 10,000-18,000

Lot #: J2422647

SKU #: **P299041**

Version: **2**

Analysis #: **415111**

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

Parameter	Limit Values	Result
Identity Acid number	≥6 (mgKOH/g)	10.40000 mgKOH/g
Inherent Viscosity(0.5% in CHCl ₃ , 25°C)	0.16-0.24 (DL/G)	0.19000 DL/G
Water by Karl Fischer	0-0.5 (%)	0.29 %
Residual monomer D,L-Lactide	≤0.5 (%)	0.37000 %
Residual Solvents(Toluene)(GLC-HS)	≤890 (ppm)	5.00000 ppm
Residual solvents(GLC-HS)(Acetone)	≤0.1 (%)	0.00000 %
Total Residual Solvents	≤0.2 (%)	0.00000 %
Tin(Sn)	0-60 (ppm)	52.00 ppm
Bacterial endotoxins	< 6 (EU/g)	5.00 EU/g
Sulfated Ash	< 0.1 (%)	0.09500 %
Total microbial count	≤2000 (cfu/g)	9.00000 cfu/g
Yeasts and moulds	≤200 (cfu/g)	8.00000 cfu/g
Appearance (P299041)	White to Off White solid	White to Off White Solid
Proton NMR spectrum	Conforms to structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager