

## Certificate of Analysis

**Product Name:** LACTOMAXX ® 100 [POLY (L-LACTIDE)]

**Catalog #** 3100

**Product Lot Number:** BB0306-201D

**Linear Formula** (C<sub>4</sub>H<sub>8</sub>O<sub>4</sub>)<sub>n</sub>

**Storage Temperature:** Around -20°C

**Quality Release Date:** May 24, 2017

TEST	SPECIFICATION	RESULT
Appearance (Color)	Off white to light yellow	Off white
Appearance (Form)	Chips	chips
Inherent Viscosity (IV) (0.1% in chloroform at 25°C)	2.0 to 3.0 dL/g	2.47 dL/g
Residual Monomer by NMR	Max. 2.0 mole % Lactide	0.89%
Polymer Composition by NMR	PLA 98-100 (Mole %)	99.11 %
Thermal Analysis (DSC)	<b>Melting Point</b> : 170 to 180°C <b>Glass Transition Temperature</b> (T <sub>g</sub> ) 50 to 65°C	Mp 176.8 °C T <sub>g</sub> 58.12°C

**Prepared by:**



**Neeti Srivastava, Ph.D.**  
Manager, R&D Quality Assurance

**Approved by:**



**Rao S. Bezwada, Ph.D.**  
President