

## Certificate of Analysis

**Product Name:** CARBOMAXX®TL910 [TMC/L-Lactide 90/10 copolymer]

**Catalog #** 5391

**Product Lot Number:** BB0306-180D

**Linear Formula** (C<sub>4</sub>H<sub>6</sub>O<sub>3</sub>.C<sub>6</sub>H<sub>8</sub>O<sub>4</sub>)<sub>n</sub>

**Storage Temperature:** Around -20°C

**Quality Release Date:** September 16, 2016

TEST	SPECIFICATION	RESULT
Appearance (Color)	Light yellow	Light yellow
Appearance (Form)	Amorphous chunks	Amorphous chunks
Inherent Viscosity (IV) (0.1% in chloroform at 25°C)	0.5 to 1.0 dL/g	0.66 dL/g
Residual Monomer by NMR	Max. 2.0 mole % TMC Max.2.0 mole % LA	1.5% Not detected
Polymer Composition by NMR	PTMC 88 - 92 (Mole %) PLA 8 -12 (Mole %)	89.9 % 10.1 %
Thermal Analysis (DSC)	<b>Melting Point</b> : Amorphous <b>Glass Transition Temperature (T<sub>g</sub>):</b> (-5) to (-15) °C	No melting T <sub>g</sub> -13.8°C

**Prepared by:**



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

**Approved by:**



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