

## Certificate of Analysis

**Product Name:** CARBOMAXX® TL820 [TMC/L-Lactide 80/20 copolymer]

**Catalog #** 5382

**Product Lot Number:** BB0306-198D

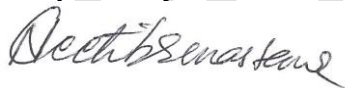
**Linear Formula** (C<sub>6</sub>H<sub>8</sub>O<sub>4</sub>- C<sub>4</sub>H<sub>6</sub>O<sub>3</sub>)<sub>n</sub>

**Storage Temperature:** Around -20°C

**Quality Release Date:** October 28, 2016

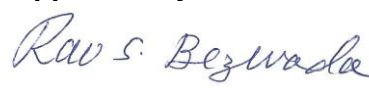
TEST	SPECIFICATION	RESULT
Appearance (Color)	Light yellow	Light yellow
Appearance (Form)	Amorphous sheet	Amorphous sheet
Inherent Viscosity (IV) (0.1% in chloroform at 25°C)	1.0 to 2.0 dL/g	1.13 dL/g
Residual Monomer by NMR	Max. 1.0 mole % TMC Max. 2.0 mole % Lactide	0.54% Not detected
Polymer Composition by NMR	PTMC 77 to 83 (Mole %) PLA 17 to 23 (Mole %)	79.7 % 20.3 %
Thermal Analysis (DSC)	<b>Melting Point</b> : Amorphous <b>Glass Transition Temperature (T<sub>g</sub>)</b> (5) to (-10) °C	No melting T <sub>g</sub> -1.96 °C

**Prepared by:**



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**Approved by:**



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