

## Certificate of Analysis

**Product Name:** CARBOMAXX®TDL55 [TMC/D,L-Lactide 50/50 copolymer]

**Catalog #** 4555

**Product Lot Number:** BB0306-202D

**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 to tan	Light yellow
Appearance (Form)	Amorphous sheet	Amorphous sheet
Inherent Viscosity (IV) (0.1% in chloroform at 25°C)	0.5 to 1.0 dL/g	0.86 dL/g
Residual Monomer by NMR	Max. 2.0 mole % D,L LACTIDE Max. 2.0 mole % TMC	0.00% 0.56%
Polymer Composition by NMR	PDLA 47 – 53 (Mole %) PTMC 53 - 47 (Mole %)	52.7% 47.3%
Thermal Analysis (DSC)	<b>Melting Point</b> : Amorphous <b>Glass Transition Temperature</b> (T <sub>g</sub> ) 20 to 30°C	No melting T <sub>g</sub> 20.51°C

**Prepared by:**



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**Approved by:**



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