

Certificate of Analysis

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

Catalog # 4555

Product Lot Number: BB0306-212D

Linear Formula (C₆H₈O₄-C₄H₆O₃)_n

Storage Temperature: Around -20°C

Quality Release Date: January 19, 2017

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)	1.0 to 2.0 dL/g	1.08 dL/g
Residual Monomer by NMR	Max. 2.0 mole % D,L LACTIDE Max. 2.0 mole % TMC	0.00% 0.6%
Polymer Composition by NMR	PDLA 47 – 53 (Mole %) PTMC 53 - 47 (Mole %)	52.4% 47.6%
Thermal Analysis (DSC)	Melting Point : Amorphous Glass Transition Temperature (T _g) 20 to 30°C	No melting T _g 23.1°C

Prepared by:



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Approved by:



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