

## Certificate of Analysis

**Product Name:** LACTOMAXX® LC640 [ L-Lactide: Caprolactone 60/40 copolymer]

**Catalog #** 3164

**Product Lot Number:** BB0306-185D

**Linear Formula** (C<sub>6</sub>H<sub>8</sub>O<sub>4</sub>.C<sub>6</sub>H<sub>10</sub>O<sub>2</sub>)<sub>n</sub>

**Storage Temperature:** Around -20°C

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

TEST	SPECIFICATION	RESULT
<b>Appearance (Color)</b>	Off white to light yellow	Light yellow
<b>Appearance (Form)</b>	Amorphous chips	Amorphous chips
<b>Inherent Viscosity (IV)</b> (0.1% in chloroform at 25°C)	1.0 to 2.0 dL/g	1.22 dL/g
<b>Residual Monomer by NMR</b>	Max. 2.0 mole % LA Max. 2.0 mole % CL	Not detected 0.2%
<b>Polymer Composition by NMR</b>	PLA 60 - 64 (Mole %) PCL 36 - 40 (Mole %)	62.8 % 37.2%
<b>Thermal Analysis (DSC)</b>	<b>Melting Point:</b> Amorphous <b>Glass Transition Temperature (T<sub>g</sub>):</b> 2 to 12°C	No melting T <sub>g</sub> 7.9°C

**Prepared by:**



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**Approved by:**



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