



# CERTIFICATE OF MATERIAL ORIGIN

Date: 10/27/2017

Revision: 02

**Product:** Lifeink® 100, Collagen Bioink, Methacrylated

<b>Supplier</b>	Advanced BioMatrix, Inc.
<b>Supplier Catalog No.</b>	5204
<b>Supplier Location</b>	California, USA
<b>Name/Grade</b>	Lifeink® 100, Collagen Bioink, High Concentration
<b>Animal Origin (including human)</b>	
-Animal Species	Bovine
-Tissue Origin	Hide
-County of Origin	United States
<b>Non-animal Source of Origin</b>	
-Country of Origin	Not applicable
<b>Animal Origin Material Adventitious Agent Risk Reduction Steps</b>	Multiple adventitious agent reduction and clearance steps
<b>Method of Manufacturing</b>	Extraction
<b>Briefly describe Method of Manufacturing</b>	Collagen is purified from bovine hide via a multi-step process involving chemical soaking, extraction, filtration, and pH treatment.

The above information has been completed by an authorized representative of management and is complete and correct to my knowledge.

President

October 27, 2017

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