



CERTIFICATE OF MATERIAL ORIGIN

Date: 10/27/2017

Revision: 02

Product: Bovine, Type II Collagen, Solution,

Supplier	Advanced BioMatrix, Inc.
Supplier Catalog No.	5196
Supplier Location	California, USA
Name/Grade	Bovine, Type II Collagen, Solution, ~0.5 mg/ml
Animal Origin (including human)	
-Animal Species	Bovine
-Tissue Origin	Cartilage
-County of Origin	United States
Non-animal Source of Origin	
-Country of Origin	Not applicable
Animal Origin Material Adventitious Agent Risk Reduction Steps	Multiple adventitious agent reduction and clearance steps
Method of Manufacturing	Purification
Briefly describe Method of Manufacturing	This product is highly purified preparation isolated from the triple helical domain of guanidine-HCl-extracted and pepsin-digested bovine joint cartilage collagen Type II. Subunit composition: $\alpha 1(\text{II})_3$. Does not react with anti-collagen Type I and anti-collagen Type III by Western blotting.

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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