



CERTIFICATE OF MATERIAL ORIGIN

Date: 10/27/2017

Revision: 02

Product: Silk Fibroin, Solution, 50 mg/ml

| | |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Supplier | Advanced BioMatrix, Inc. |
| Supplier Catalog No. | 5154 |
| Supplier Location | California, USA |
| Name/Grade | Silk Fibroin, Solution, 50 mg/ml |
| Animal Origin (including human and insect) | |
| -Insect Species | Bombyx mori silkworm |
| -Tissue Origin | Excreted protein by-products |
| -County of Origin | Processed in United States |
| Non-animal Source of Origin | |
| -Country of Origin | Not applicable |
| Animal Origin Material Adventitious Agent Risk Reduction Steps | Not applicable |
| Method of Manufacturing | Extraction and purification |
| Briefly describe Method of Manufacturing | The silk fibroin solution is natural material extraction and protein purification derived from the domesticated Bombyx mori silkworm. |

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

President

October 27, 2017

Corporate Headquarters
P.O. Box 502403
San Diego, CA 92150-2403

(800) 883-8220 (760) 929-0755
(510) 217-3452 Fax
www.advancedbiomatrix.com

Manufacturing Facility
5930 Sea Lion Place, Ste. 100
Carlsbad, CA 92010