



Chem-Impex International, Inc.

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Manufacturing Facility:
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Certificate of Origin & BSE/TSE

Date: 6/20/2023 8:55:5

Identification

Item name: D-Arginine hydrochloride
Catalog #: 00330 Country of origin of starting materials: N/A
Lot #: QVB0067 Country of manufacture: Japan

Starting Materials

Chemical		Organic		Inorganic	
	Enzymatic Synthesis	☐		☐	
	Fermentation	☒		☐	
	Organic Synthesis	☐		☐	
Biological		Human/Animal	Plant	Microbe	
	Natural	☐	☒	☐	
	GMO	☐	☐	☐	

Human, animal, plant, or microbe material was used or came in contact with the starting materials or the equipment, reagents, or media used for its processing, purification, and/or storage. ☒ Yes ☐ No

Specify starting materials (for chemical origin) or organism (and relevant health information, if applicable):

L-ArgHCl is produced by fermenting from Glucose from corns, Enzymatic resolution

Manufacturing Process

☐ Organic Synthesis ☐ Enzymatic Synthesis ☒ Other, Specify: Racemization from L-ArgHCl

Human or animal material was used or came in contact with the product or equipment, reagents, or media used for its processing, purification, and storage. ☐ Yes ☒ No If yes, specify:

The organism listed above (if applicable) is a genetically modified organism (GMO) or an enzyme derived from a GMO.

☐ Yes ☐ No

If yes, specify:

☐ No declaration of origin possible. Specify:

General Declaration:

To the present state of our knowledge we declare the above CII product does not contain any BSE / TSE AGENT. This declaration is given in good faith and no warranty express or implied with respect to quality and properties is made.

Arumugham Balakumar, PhD
Quality Control Department