



Chem-Impex International, Inc.

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Manufacturing Facility:
825 Dillon Drive
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Certificate of Origin & BSE/TSE

Date: 3/23/2020 7:11:4

Identification

Item name: g-Valerolactone
Catalog #: 35012 Country of origin of starting materials: China
Lot #: 002344-4567 Country of manufacture: China

Starting Materials

Chemical		Organic		Inorganic	
	Enzymatic Synthesis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fermentation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Organic Synthesis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Biological		Human/Animal	Plant	Microbe	
	Natural	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	GMO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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):

Levulinic acid

Manufacturing Process

Organic Synthesis Enzymatic Synthesis Other, Specify: Reduction reaction / distillation

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