



Chem-Impex International, Inc.

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

Date: 4/13/2020 5:34:2

Identification

Item name: Methyl 1,2,3,4-tetra-O-acetyl-b-D-glucuronate
Catalog #: 32310 Country of origin of starting materials: China
Lot #: 002301-190618 Country of manufacture: China

Starting Materials

Chemical		Organic		Inorganic			
	Enzymatic Synthesis	<input type="checkbox"/>	<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 checked="" 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"/>	<input type="checkbox"/>	<input type="checkbox"/>
	GMO	<input type="checkbox"/>	<input type="checkbox"/>	<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):

(2R,3R,3aR,6aR)-2,3,6-trihydroxy-3,3a,6,6a-tetrahydro-2H-furo[3,2-b]furan-5-one

Manufacturing Process

Organic Synthesis Enzymatic Synthesis Other, Specify:

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