



Chem-Impex International, Inc.

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

Date: 5/15/2020 2:56:4

Identification

Item name: (-)-2,3-O-Isopropylidene-D-erythronolactone
Catalog #: 32194 Country of origin of starting materials: China
Lot #: 001435-047551901 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 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"/> |
| | 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):

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