



Chem-Impex International, Inc.

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Manufacturing Facility:
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Certificate of Origin & BSE/TSE

Date: 10/7/2022 12:27

Identification

Item name: L-Glutamine USP from non-animal source
Catalog #: 29801 Country of origin of starting materials: Japan
Lot #: 000531-42347 Country of manufacture: Japan

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 checked="" 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 checked="" 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):

Glucose (from Corn) and Ammonia (by chemical synthesis)

Manufacturing Process

Organic Synthesis Enzymatic Synthesis Other, Specify: Fermentation

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