



# Chem-Impex International, Inc.

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

Date: 5/8/2020 1:55:15

### Identification

Item name: Z-L-threonine hydrazide  
Catalog #: 03870 Country of origin of starting materials: China  
Lot #: 000424-200423-12612 Country of manufacture: China

### Starting Materials

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

Origin of amino acid(s) : L-Thr (strain:confidentiality)

### 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