



# Chem-Impex International, Inc.

Tel: (630) 766-2112 Fax: (630) 766-2218  
sales@chemimpex.com www.chemimpex.com

Headquarters:  
935 Dillon Drive  
Wood Dale, IL 60191 USA

Manufacturing Facility:  
825 Dillon Drive  
Wood Dale, IL 60191 USA

## Certificate of Origin & BSE/TSE

Date: 9/28/2023 10:02:

### Identification

Item name: Z-L-glutamic acid a-benzyl ester  
Catalog #: 00573 Country of origin of starting materials: China  
Lot #: 000424-180906-11501 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 checked="" 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):

Origin of amino acid(s) : 2-Glu (Escherichia coli)

### 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