

## 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

Item name:   Sodium Glucoheptonate dihydrate	Identification	on				
Starting Materials    Chemical   Chemical   Chemical   Enzymatic Synthesis   Chemical   Chemical   Enzymatic Synthesis   Chemical   Chemical   Chemical   Enzymatic Synthesis   Chemical   Chemical	Item name: S	odium Glucoheptonate dihy	rdrate			
Starting Materials    Chemical   Chemical	Catalog #: 32387		Country of origin	Country of origin of starting materials: China		
Starting Materials  Chemical Enzymatic Synthesis						
Chemical Enzymatic Synthesis	Starting Ma	aterials		<u>-</u>		
Chemical Enzymatic Synthesis			Organic		Inorganic	
Organic Synthesis    Human/Animal   Plant   Microbe	Chemical	Enzymatic Synthesis				
Human/Animal Plant Microbe    Natural		Fermentation				
Biological  Natural  GMO  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  Nospecify 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.		Organic Synthesis	x			
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.  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.			Human/Animal	Plant	Microbe	
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.  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 GM	Biological					
reagents, or media used for its processing, purification, and/or storage.						
☐ Organic Synthesis ☐ Enzymatic Synthesis ☐ Other, <i>Specify:</i> Human or animal material was used or came in contact with the product or equipment, reagents, or media used for incrocessing, 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 GM	·	al, plant, or microbe materia		act with the starting mate	• • • • • • • • • • • • • • • • • • • •	
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processing, purification, and storage.	reagents, or m Specify startin Manufactui	al, plant, or microbe materia nedia used for its processin ng materials (for chemical o ring Process	ng, purification, and/or storage rigin) or organism (and rele	ract with the starting mate ge.	s 🗷 No	
The organism listed above (if applicable) is a genetically modified organism (GMO) or an enzyme derived from a GM	reagents, or m Specify startin Manufactur	al, plant, or microbe material nedia used for its processing materials (for chemical of the processing process	ng, purification, and/or storage rigin) or organism (and relections of the relections) and relections of the relationship of t	eact with the starting matege.	s No f applicable):	
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☐ Yes   No If yes, specify:	Manufactur  Torgan  Human or anir  processing, pu	ring Process  inic Synthesis  mal material was used or caurification, and storage.	rig, purification, and/or storage rigin) or organism (and relection) or organism (and	cact with the starting matege.	f applicable):  nts, or media used for its	
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## **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.

Hermin

Arumugham Balakumar, PhD Quality Control Department