

## Regenasure® Glucosamine HCl Granulated

### Product Information

Cargill Regenasure® Glucosamine Hydrochloride is non-shellfish, non-animal derived and is produced in accordance with current food Good Manufacturing Practices (GMPs) under a comprehensive Hazard Analysis and Critical Control Points (HACCP) program.

Cargill Regenasure® Glucosamine Hydrochloride is manufactured to meet the monograph specifications of the United States Pharmacopoeia-National Formulary (USP-NF) as published by the United States Pharmacopoeia (USP) and is certified kosher pareve and Kosher for Passover.

### Glucosamine Hydrochloride

Molecular Formula	C <sub>6</sub> H <sub>13</sub> NO <sub>5</sub> ·HCl
Molecular Weight	215.63
CAS Number	66-84-2
EINECS	200-638-1

### Microbiological Analysis

Total Plate Count	<1000 cfu/g
Yeast and Mold	1000 cfu/g max

### Target Granulation

On US #20 Sieve	20% maximum
Thru US #80 Sieve	40% maximum

### Product Specifications

Assay	98.0% to 102.0%
Loss on Drying	Not more than 1.0%
Identification	Passes USP test
Specific Rotation	+70.0° to +73.0°
pH	3.0 to 5.0 (20 mg/mL)
Residue on Ignition	Not more than 0.1%
Sulfate	Not more than 0.24%
Arsenic	Not more than 3 ug per g
Heavy Metals (as Pb)	0.001% maximum
Residual Solvents	Meets USP-NF requirements

### Packaging

Bag in a Box	25 Kg (55 lbs)
Bulk Bag	680 Kg (1500 lbs)

### Shelf Life and Storage

Cargill Regenasure® Glucosamine Hydrochloride should be stored under conditions of low temperature and low humidity in airtight containers and has an expiration date of 3 years from the date of manufacture.



contact

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