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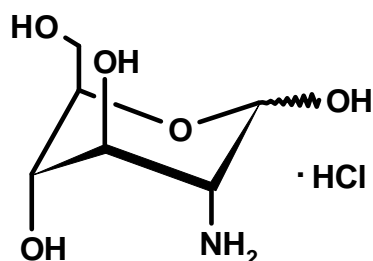
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Product Specifications

D-Glucosamine Hydrochloride (USP 34) [animal-free, vegetal-derived]

CAS 66-84-2

Structure:



Mol. Formula
Source

$C_6H_{13}NO_5 \cdot HCl$
Cassava starch

Mol. Wt.

215.63

<i>Test</i>	<i>Specification</i>
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Identity

A: IR

B: Tests for Chloride

C: RT in the Assay (hplc)

Appearance White microcryst. solid

Particle Size 100% pass through 40 mesh

Mp 190-194 °C (dec.) [Lit]

pH (20 mg/mL aq. solution) 3-5

Assay (hplc) 98-102%

Transmittance > 90% (10% aq. soln. @ 450 nm)

Absorbance < 0.25 Å (10% aq. soln. @ 450 nm)

Sp. Rot., [α]_D +70° to +73° (c = 2.5, H₂O)

LOD < 0.5%

Ash (residue on ignition) < 0.1%

VOCs Meets the requirement of USP 34

- cont'd -

- cont'd -

<i>Test</i>	<i>Specification</i>
Sulfate	<0.24%
Chloride	16.2%-16.7%
Heavy metals	< 10 ppm
Fe	< 10 ppm
Pb	< 0.5 ppm
As	< 3 ppm
Hg	< 0.5 ppm
<u>Microbiological Specifications</u>	
Total plate count /g	< 100 cfu/g
<i>E. Coli</i>	< 10 cfu/g
<i>Salmonella</i>	Negative
Mold and Yeast	< 100 cfu/g

Storage: Maintain in cool, dry containment.

Kosher certified.