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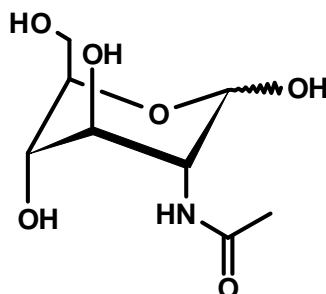
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Product Specifications

N-Acetyl-D-glucosamine (USP 34) [animal-free, vegetal-derived]

CAS 7512-17-6

Structure:



Mol. Formula
Source

$C_8H_{15}NO_6$
Cassava starch

Mol. Wt.

221.21

<i>Test</i>	<i>Specification</i>
Identity	IR
Appearance	White microcryst. solid
Particle Size	100% pass through 100 mesh
Mp	196-205 °C
pH (20 mg/mL aq. solution)	6-8
Assay (hplc)	98-102%
Sp. Rot., $[\alpha]_D$	+39° to +43° (c = 2, H ₂ O)
LOD	< 0.5%
Ash (residue on ignition)	< 0.1%
VOCs	Conforms to USP 34 requirement
Chloride	< 0.2%
Heavy metals	< 10 ppm
Fe	< 10 ppm
Pb	< 0.5 ppm
As	< 3 ppm
Hg	< 0.5 ppm

- cont'd -

- cont'd -

<i>Test</i>	<i>Specification</i>
<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.