

SPECIFICATION

Product : N-ACETYL-D-GLUCOSAMINE

Species : crust, carapace skin of crustacea

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Product-no. : 5210003900

Version : 4

**Synonyms : N-Acetylchitosamin, N-acetyl-D-(+)-glucosamine
2-Acetylamino-2-deoxy-D-glucopyranose (IUPAC)**

Valid from : 11/10

CAS-no. : 7512-17-6

Formula : C₈H₁₅NO₆

ABDATA : 1584600

Mol.-weight : 221.21

EINECS : 231-368-2

Controls	Specification	Method
Description	white, crystalline, free flowing powder	USP32, <695>
Specific rotation	+38.9° to + 42.9 °	USP32, <781>
Loss on drying	≤ 0.5 %	USP32, <731>
Residue on ignition	0.1 – 0.3 %	USP32, <281>
pH (5%)	6.0 – 7.5	USP32, <791>
Heavy metals	≤10 ppm	USP32, <231>
Iron	≤10 ppm	USP32, <241>
Arsenic	≤0.5 ppm	USP32, <211>
Lead	≤0.5 ppm	USP32, <251>
Assay	97.5 – 102.5 %	USP32, <541>
Melting point	196.00 ° - 204.00 °	USP32, <741>
Particle size	≥ 30 Mesh	USP32, <811>
Transm.	≥ 90 % (10% water solution - 450 nm)	USP32, <197>
Absorb	≤0.25 a.u. (10% water solution - 280 nm)	USP32

please turnover



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2-Acetylamino-2-deoxy-D-glucofuranose (IUPAC)

CAS-no. : 7512-17-6 **Formula : C₈H₁₅NO₆**
ABDATA : 1584600 **Mol.-weight : 221.21**
EINECS : 231-368-2

Controls	Specification	Method
<i>Microbiological tests</i>		
Total bacterial count	≤1000 CFU/g	USP32, <61>
Yeast and mould	≤100 CFU/g	USP32, <61>
Escherichia coli	negative	USP32, <61>
Salmonella	negative	USP32, <61>
Staphylococcus aureus	negative	USP32, <61>

Primary packing : polybags
Storage : well closed, light-resiostant containrs, in a cool and dry place
Durability : 24 months