

Chem-Impex International, Inc.

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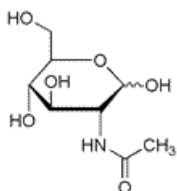
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number	01427
Product	N-Acetyl-D-glucosamine 2-Acetamido-2-deoxy-D-glucose
CAS Number	7512-17-6
Molecular Formula	C ₈ H ₁₅ NO ₆
Molecular Weight	221.1

Appearance	White or yellowish crystalline powder
Odor	Odorless
Melting Point	196 - 205 °C
Anion	Sulfate : ≤ 0.1% Chloride (Cl) : ≤ 1%
Cation	Lead(Pb) : ≤ 10 mg/g Arsenic (As) : ≤ 1 mg/g
pH	6 - 8
Mould and Yeast	≤ 1000 cfu/g
Optical Rotation	[α] _D ²⁰ = 39 - 43 °
Infrared Spectrum	Conforms to structure
Loss on Drying	≤ 0.5% (105 °C, 2h)
E. Coli	Negative
Microbial Count	≤ 1000 cfu/g (TABC)
Salmonella	Negative
Related Substances	Individual impurity : ≤ 0.5% Total impurities : ≤ 2% Limit of Glucosamine : ≤ 1%
Residue On Ignition	≤ 0.1%
Assay	98 - 102% (Dried basis)
Grade	Meets USP specification
Storage	Store at RT
Additional Information	Identification : To pass test

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For Laboratory Use Only