

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	01427
Lot Number	000572-1901080026
Product	<i>N</i>-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 crystalline powder
Melting Point	198 °C
Heavy Metals	< 10 ppm
Anion	Chloride (Cl) : 0.004%
Cation	Arsenic (As) : < 1 ppm Lead(Pb) : < 3 ppm
pH	6.3
Yeast and Mold	< 100 cfu/g
Optical Rotation	[α] _D ²⁰ = 41.1 °
Infrared Spectrum	Conforms to structure
Loss on Drying	0.12%
E. Coli, Salmonella, S.Aureus	Negative
Microbial Count	< 1000 cfu/g (TPC)
Particle Size	> 90% through 80 mesh
Related Substances	Individual impurity : < 0.5% Total impurities : < 2% Limit of Glucosamine : < 1%
Residue On Ignition	0.05%
Purity by HPLC	99.1%
Grade	USP
Storage	Store at RT

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager