

Lotioncrafter

48 Hope Ln

Eastsound, WA 98245

Tel: 360-376-8008

Specification Sheet

N-Acetyl Glucosamine

CAS No.7512-17-6 EINECS No. 231-368-2

Characteristic	Specifications
Physical State:	
Appearance	White, crystalline, free flowing powder
Bulk Density	NLT 0.45 g/mL
As Tapped Density	Meets the req. of USP37
Particle Size	NLT 90% through 100 Mesh
Analytical Properties:	
Assay (HPLC)	98.0% - 102% (on dried basis)
Absorb	< 0.25 a.u. (10 % water solute. -280 nm)
Specific Rotation (a) _{D20}	+39.0° ~ +43.0°
pH (20mg/ml.aq.sol.)	6.0 – 8.0
Loss on drying	NMT 0.5%
Residue on Ignition	NMT 0.1%
Chloride (Cl)	NMT 0.2%
Melting Range	196°C – 205°C
Heavy Metals	NMT 10 ppm
Iron (Fe)	NMT 10 ppm
Lead	NMT 0.5 ppm
Cadmium	NMT 0.5 ppm
Arsenic (As)	NMT 1.0 ppm
Mercury	NMT 0.1 ppm
Organic Volatile impurities	Meets the requirements
Microbial:	
Total Aerobic	NMT 1,000 cfu/g
Yeast & Mold	NMT 100 cfu/g
E. coli	Negative in 1g
Salmonella	Negative in 1g
S. Aureus	Negative in 10g
Enterobacteria & other gram neg.	NMT 100 cfu/g