

Product: N-Acetyl-D-Glucosamine

Items	Specification
Appearance	White or yellowish Powder
Particle size	NLT 90% through 100 mesh
Assay (HPLC)	98.0-102.0%(on the dried basis)
A: Infrared Absorption	Meets the requirement
B: Tests for Optical Rotation	Meets the requirement
C: Retention time in the Assay	Corresponds to the reference standard
Transm	NLT 90.0% (10.0% Water Solut.-450nm)
Specific Rotation $[\alpha]_D^{20}$	+39.0 ⁰ ~ +43.0 ⁰
PH (10mg/ml.aq.sol.)	6.0-8.0
Loss on Drying	NMT0.5%
Residue on ignition	NMT0.1%
Chloride (Cl)	NMT0.1%
Melting Range	196°C-205°C
Heavy Metals	NMT10ppm
Iron (Fe)	NMT10ppm
Lead	NMT0.5ppm
Cadmium	NMT0.5ppm
Arsenic (As)	NMT1.0ppm
Mercury	NMT0.1ppm
Individual impurity	NMT0.5%
Total impurities	NMT2.0%
Limit of Glucosamine	NMT1.0%
Total Aerobic	NMT1,000cfu/g
Yeasts &Molds	NMT100cfu/g
Salmonella	Negative/1g
E. Coli	Negative/1g
Staphylococcus Aureus	Negative/10g
Storage	Store in tight, light-resistant containers under 25°C
Shelf Life	2 years