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Specification of N-Acetyl-D-Glucosamine

Items	Specification
Appearance:	White crystalline powder
Taste:	Characteristic
Odor:	Characteristic
Melting point:	196~205°C
Residue on ignition:	Not more than 0.5%
Specific rotation $[\alpha]_D^{20}$:	+39.0~+43.0°
Loss on drying:	Not more than 0.5%
pH value (5% solution):	5.0~8.0
Chloride:	Not more than 0.5%
Iron:	Not more than 10ppm
Heavy metals:	Not more than 10ppm
Arsenic:	Not more than 1ppm
Assay:	Not less than 99%
Microbial:	
Total bacterial count:	Not more than 1000CFU/g
Yeast & moulds:	Not more than 100CFU/g
Escherichia coli:	Not more than 10CFU/g
Salmonella:	Negative
Staphylococcus aureus:	Not more than 10CFU/g