



# N-Acetyl-D-Glucosamine

<b>INCI name:</b>	<b>N-Acetyl-D-Glucosamine</b>
Chemical description:	C <sub>8</sub> H <sub>15</sub> NO <sub>6</sub>
Tradename:	N-Acetyl-D-Glucosamine
CAS No.:	134451-94-8, 7512-17-6
Application:	Cosmetic
Packaging:	in drums
Filling quantity:	25 kg drums special packaging upon request
Shelflife:	up to 2 years not opened
Storage conditions:	dry and cool place avoid direct sunlight

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## Product Specification

### N-Acetyl-D-Glucosamine

Test	Specification	Batch 0420200407
Appearance	white crystalline, free flowing powder	conforms
Bulk density	NLT 0.45 g/ml	0.47 g/ml
As tapped density	meets the requirement of USP38	conforms
Particle size	NLT 90 % through 100 mesh	conforms
Absorb	<0.25 a.u. (10 % water Solution-280nm)	0.23 a.u.
Specific rotation	+39.0° - +43.0°	+40.45°
PH (20 mg/ml.aq.sol.)	6.0 – 8.0	6.52
Residue on ignition	0.1 %	00.5 %
Loss on Drying	0.5 %	0.07 %
Chloride (Cl)	0.2 %	0.06 %
Melting point	196°C – 205°C	196.4 – 204.6 °C
Heavy metals	10 ppm	conforms
Iron (fe)	10 ppm	conforms
Lead	0.5 ppm	0.08 ppm
Cadmium	0.5 ppm	conforms
Arsenic (As)	0.5 ppm	conforms
Mercury	0.1 ppm	0.06 ppm
Organic volatile impurities	meets the requirements	conforms
Microbiological control		
Total aerobic	1000 cfu/g	100 cfu/g
Yeasts & molds	100 cfu/g	30 cfu/g
Salmonella	1 g	negative
E. Coli	1 g	negative
Staphylococcus aureus	10 g	negative
Enterobacteria & other	100 cfu/g	30 cfu/g