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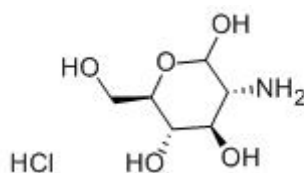
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Technical Data Sheet

D-Glucosamine Hydrochloride

Product Information

Chemical Name	D-Glucosamine Hydrochloride
CAS #	66-84-2
Formula	C ₆ H ₁₄ ClNO ₅
Molecular Weight	215.63
Synonyms	D-Glucosamine HCL
Chemical Structure	



Description

D-Glucosamine HCL is white crystal, no odor, with slight sweet taste, easily soluble in water, slightly soluble in methyl alcohol, insoluble in ethyl alcohol and other organic solvents.

Physical Properties

Melting point, °C .	190-194
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Specification

Item	Specification
Appearance	White crystalline powder
Content	99.0%-101.0%
Specific rotation	+70-+73
pH value	3.5-5.0
Drying loss	Max0.5%
Ignition residue	Max0.1%
Sulfate	Max 0.24%
Arsenic	Max 0.5ppm
Heavy metal (in Pb)	Max10ppm
Chloride	16.2%-16.7%

Ferric salt	Max10ppm
Total bacterial count	Max1000cfu/g
Mold count	Max100cfu/g
Escherichia coli	Negative
Salmonella	Negative

Safety

Always refer to the Material Safety Data Sheet (MSDS)

Applications

- Use glucosamine to prepare medical agent for treating vertigo.
- Found in chitin, in mucoproteins, and in mucopolysaccharides.
- Antiarthritic. Recent studies show that its chondroprotective activity is related to its antiapoptotic properties.

Packaging

25kg per fiber drum

Storage & Handling

Do not store in direct sunlight. Store in a tightly closed container.
Store in a cool, dry, well-ventilated area away from incompatible substances.
Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation.
Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Keep container tightly closed.
Avoid ingestion and inhalation.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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