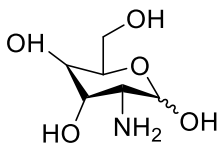




Certificate of Analysis

MedKoo Cat#: 317975	Product Name: Glucosamine free base	Lot#: A8T03K06
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Chemical name	
(3R,4R,5S,6R)-3-amino-6-(hydroxymethyl)tetrahydro-2H-pyran-2,4,5-triol	
Synonyms	
D-Glucosamine; Glucosamine; 2-Amino-2-Deoxy-D-Glucose; 2-Amino-2-Deoxy-D-Glucopyranose; Chitosamine	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 317975 Name: Glucosamine free base CAS#: 3416-24-8 (free base) Lot#: A8T03K06 Chemical Formula: C ₆ H ₁₃ NO ₅ Exact Mass: 179.07937 Molecular Weight: 179.17

Analysis item	Specifications / Results
Appearance	White to off-white solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>98.0%
Solubility	Soluble in H ₂ O
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE