



Specification for Glucosamine Hydrochloride, USP Dietary Supplement (G1094)

Item Number	G1094
Item	Glucosamine Hydrochloride, USP Dietary Supplement
CAS Number	66-84-2
Molecular Formula	$C_6H_{13}NO_5 \cdot HCl$
Molecular Weight	215.64
MDL Number	
Synonyms	2-Amino-D-glucose Hydrochloride ; 2-Amino-2-deoxy-D-glucose Hydrochloride ; Chitosamine Hydrochloride

Test	Specification	
	Min	Max
ASSAY ($C_6H_{13}NO_5 \cdot HCl$; DRIED BASIS)	98.0	102.0 %
pH	3.0	5.0
SPECIFIC ROTATION $[a]_D^{25}$	+70.0° to +73.0°	
LOSS ON DRYING		1.0 %
RESIDUE ON IGNITION		0.1 %
SULFATE		0.24 %
ARSENIC		3 ppm
ELEMENTAL IMPURITIES:		
CADMIUM (Cd)	AS REPORTED	
LEAD (Pb)	AS REPORTED	
MERCURY (Hg)	AS REPORTED	
IDENTIFICATION (A)	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION (B)	POSITIVE FOR CHLORIDE	
IDENTIFICATION (C)	RETENTION TIME CORRESPONDS TO STANDARD	
EXPIRATION DATE		
DATE OF MANUFACTURE		
APPEARANCE		
RESIDUAL SOLVENTS	AS REPORTED	

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