



Specification for Lidocaine Hydrochloride, Monohydrate, USP (LI103)

Item Number	LI103
Item	Lidocaine Hydrochloride, Monohydrate, USP
CAS Number	6108-05-0
Molecular Formula	C ₁₄ H ₂₂ N ₂ O•HCl•H ₂ O
Molecular Weight	288.81
MDL Number	
Synonyms	Lignocaine Hydrochloride

Test	Specification	
	Min	Max
APPEARANCE		
ASSAY (ANHYDROUS BASIS)	97.5	102.5%
WATER DETERMINATION	5.0	7.0%
RESIDUE AFTER IGNITION		0.1%
SULFATE		0.1 %
ORGANIC IMPURITIES:		
LIDOCAINE RELATED COMPOUND H		0.10 %
ROPIVACAINE RELATED COMPOUND A		0.01 %
ANY INDIVIDUAL IMPURITY		0.10 %
TOTAL IMPURITIES		0.5 %
ELEMENTAL IMPURITIES	AS REPORTED	
IDENTIFICATION A) FTIR	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION (B)	RETENTION TIME CORRESPONDS TO STANDARD	
IDENTIFICATION (C)	POSITIVE FOR CHLORIDE	
EXPIRATION DATE		
DATE OF MANUFACTURE		
MONOGRAPH EDITION		
RESIDUAL SOLVENTS	AS REPORTED	

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