

Item Number	TH116
Item	Thiamine Hydrochloride, USP
CAS Number	67-03-8
Molecular Formula	C <sub>12</sub> H <sub>17</sub> ClN <sub>4</sub> OS•HCl
Molecular Weight	337.27
MDL Number	
Synonyms	3-(4-Amino-2-methylpyrimidin-5-ylmethyl)-5-(2-hydroxyethyl)-4-methylthiazolium Chloride Hydrochloride ; Aneurine Hydrochloride ; Vitamin B1 Hydrochloride

Test	Specification	
	Min	Max
ASSAY (ANHYDROUS BASIS)	98.0	102.0 %
pH OF A 1 % SOLUTION @ 25°C	2.7	3.4
WATER DETERMINATION		5.0 %
RELATED COMPOUNDS		1.0 %
RESIDUE ON IGNITION		0.2 %
ABSORBANCE OF SOLUTION		0.025 A.U.
NITRATE (NO <sub>3</sub> )	NO BROWN RING	
ELEMENTAL IMPURITIES:		
CADMIUM (Cd)	AS REPORTED	
LEAD (Pb)	AS REPORTED	
ARSENIC (As)	AS REPORTED	
MERCURY (Hg)	AS REPORTED	
IDENTIFICATION (A)	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION (B)	POSITIVE FOR CHLORIDE	
CERTIFIED KOSHER		
CERTIFIED HALAL		
EXPIRATION DATE		
DATE OF MANUFACTURE		
APPEARANCE		
RESIDUAL SOLVENTS:	AS REPORTED	

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