

Item Number	T1281
Item	Levothyroxine Sodium, USP
CAS Number	25416-65-3
Molecular Formula	$C_{15}H_{10}I_4NO_4Na \cdot xH_2O$
Molecular Weight	798.852
MDL Number	
Synonyms	Monosodium L-Thyroxine ; Sodium Levothyroxine ; L-Thyroxine Sodium Salt ; Sodium 4-O-(4-Hydroxy-3,5-di-iodophenyl)-3,5-di-iodo-L-tyrosine ; 3,5,3',5'-Tetra-iodo-L-thyronine Sodium

Test	Specification	
	Min	Max
APPEARANCE		
IDENTIFICATION (A) FTIR	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION (B)	RETENTION TIME MATCHES STANDARD	
IDENTIFICATION (C)	POSITIVE FOR SODIUM	
ASSAY (ANHYDROUS BASIS)	97.0	103.0 %
SPECIFIC ROTATION	-5° to -6°	
WATER DETERMINATION		11.0 %
ORGANIC IMPURITIES, PROCEDURE 2	.	
LIOETHYRONINE		1.0 %
MONOCHLOROTRIIODOTHYRONINE		0.15 %
LEVOTHYROXINE N-METHYLAMIDE		0.15 %
TRIIODOTHYROACETIC ACID, OR T3-ACETIC ACID		0.15 %
O-(4-HYDROXY-3,5-DIIODOPHENYL)THYROXINE, OR T6		0.50 %
T4-FORMIC ACID N-METHYLAMIDE		0.30 %
T4-ACETIC ACID		0.30 %
TETRAIODOTHYROBENZOIC ACID OR T4-BENZOIC ACID		0.15 %
INDIVIDUAL UNSPECIFIED IMPURITY		0.10 %
TOTAL IMPURITIES		2.0 %
ELEMENTAL IMPURITIES:		
COPPER (Cu)	AS REPORTED	

Test	Specification	
	Min	Max
EXPIRATION DATE		
DATE OF MANUFACTURE		
MONOGRAPH EDITION		
RESIDUAL SOLVENTS	AS REPORTED	

Spectrum Chemical Mfg Corp

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