



# Specification for Estradiol, Hemihydrate, Soy Base, Micronized, USP (E2918)

Item Number	E2918
Item	Estradiol, Hemihydrate, Soy Base, Micronized, USP
CAS Number	35380-71-3
Molecular Formula	$C_{18}H_{24}O_2 \cdot 1/2 H_2O$
Molecular Weight	281.39
MDL Number	
Synonyms	Oestradiol ; 17-β-Estradiol ; Estra-1,3,5(10)-triene-3,17β-diol

Test	Specification	
	Min	Max
ASSAY (ANHYDROUS BASIS)	97.0	103.0%
MELTING RANGE	173°	179°C
SPECIFIC ROTATION $[\alpha]_D^{25}$	+76° to +83°	
PARTICLE SIZE (THROUGH 20 micron)	92%	
WATER DETERMINATION		3.5%
CHROMATOGRAPHIC PURITY :		
INDIVIDUAL IMPURITY		0.5 %
TOTAL IMPURITIES		1.0 %
ELEMENTAL IMPURITIES:		
LITHIUM (Li)	AS REPORTED	
IDENTIFICATION (A)	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION (B)		3.0 %
EXPIRATION DATE		
DATE OF MANUFACTURE		
APPEARANCE		
RESIDUAL SOLVENTS		AS REPORTED

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