

Item Number	D4316
Item	Doxycycline Hyclate, EP
CAS Number	24390-14-5
Molecular Formula	$(C_{22}H_{24}N_2O_8 \cdot HCl)_2 \cdot C_2H_6O \cdot H_2O$
Molecular Weight	1025.87
MDL Number	
Synonyms	

Test	Specification	
	Min	Max
ASSAY (C ₁₂₇ H ₁₂₅ Cl ₂ N ₂ O ₈)	95.0	102.0 %
pH	2.0	3.0
WATER	1.4	2.8 %
ETHANOL	4.3	6.0 %
ABSORBANCE @ 490 nm		0.07
SULFATE ASH		0.4 %
ORGANIC IMPURITIES:		
4-EPIDOXCYCLINE (IMPURITY C)		0.2 %
METHACYCLINE (IMPURITY B)		0.5 %
2-ACETYL-2-DECARBOXYAMIDODOXYCYCLINE (IMPURITY F)		1.2 %
6-EPIDOXCYCLINE (IMPURITY A)		2.0 %
ANY UNSPECIFIED IMPURITY		0.10 %
TOTAL IMPURITIES		3.0 %
ELEMENTAL IMPURITIES		AS REPORTED
IDENTIFICATION		
APPEARANCE		
RESIDUAL SOLVENTS		AS REPORTED

Spectrum Chemical Mfg Corp

Corporate Headquarters:	West Coast Facility:
769 Jersey Ave.	14422 S. San Pedro St.
New Brunswick, NJ 08901	Gardena, CA 90248
732.214.1300	310.516.8000