



## Specification for Prednisone, Anhydrous, Micronized, USP (PR103)

Item Number	PR103
Item	Prednisone, Anhydrous, Micronized, USP
CAS Number	53-03-2
Molecular Formula	C <sub>21</sub> H <sub>26</sub> O <sub>5</sub>
Molecular Weight	358.44
MDL Number	
Synonyms	17?,21-Dihydroxypregna-1,4-diene-3,11,20-trione ; Deltadehydrocortisone ; 17,21-Dihydroxypregna-1,4-diene-3,11,20-trione ; 1,2-Dehydrocortisone

Test	Specification	
	Min	Max
ASSAY (ANHYDROUS BASIS)	97.0	102.0 %
SPECIFIC ROTATION [α] <sub>D</sub>	+167° to +175°	
WATER DETERMINATION		1.0 %
RESIDUE ON IGNITION	NEGLIGIBLE	
ORGANIC IMPURITIES	.	
INDIVIDUAL IMPURITY		1.5 %
TOTAL IMPURITIES		2.0 %
ELEMENTAL IMPURITIES:		
CHROMIUM (Cr)		AS REPORTED
NICKEL (Ni)		AS REPORTED
IDENTIFICATION A) FTIR	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION B (1)	ORANGE COLOR	
IDENTIFICATION B (2)	COLOR CHANGE TO YELLOW THAN BLuish GREEN	
EXPIRATION DATE		
DATE OF MANUFACTURE		
APPEARANCE		
RESIDUAL SOLVENTS	-AS REPORTED	

*Spectrum Chemical Mfg Corp*

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