



Protocol from analyses of Stanozolol content in tablets.

Sample:	Stanozolol tablets, Magnus Pharmaceuticals, 10 mg/tablet
Batch No.:	170701
Mfg. Date:	7/2017
Exp. Date:	6/2020
Standard preparation:	About 10mg of authentic Stanozolol standard was weighed and transferred into 20 ml volumetric flask. The flask was filled with 15 ml of p.a. purity ethyl acetate (EtOAc), shake for 1 minute and then put to ultrasonic bath for 20 minutes. After cooling to room temperature, flask was filled to the mark with EtOAc. Aliquot volume was transferred into autosampler vial and 1.0 µl was injected to HPLC-DAD instrument.
Sample preparation:	10 tablets of Stanozolol were weighed and average weight of tablet (AWT) was calculated. Tablets were grinded in ceramic mortar and two independent weighing from powdered material of tablet were transferred into 20 ml volumetric flasks. Flasks were filled with 15 ml of EtOAc, shake for 1 minute and then put to ultrasonic bath for 20 minutes. After cooling to room temperature, flasks were filled to the mark with EtOAc, centrifuged at 9000 RPM for 5 minutes. Aliquot volumes were transferred into autosampler vials and 1.0 µl was injected to HPLC-DAD instrument.
Method of analyses:	HPLC-DAD instrument was used for analyses of Stanozolol using external calibration with authentic standard of Stanozolol. Areas under peaks of Stanozolol at 225 nm were measured and average amounts of Stanozolol per tablet were calculated from two samples.

Calculation:

Stanozolol		Magnus Pharmaceuticals			
Standard	Weight (mg)	10.65	tration (mg/ml)	0.5325	
	Volumetric flask (ml)	20	Inj.volume (ul)	1	
225 nm	Purity (%)	100	Area (mAU*s)	873.85242	
	Weight of 10 tbl (g)	1.77472	AWT (mg/tbl)	177.472	
Sample	Sample weight (mg)	Vol.flask (ml)	Inj.volume (ul)	Area	Amount (mg/tb)
m1	175.73	20	1	880.14471	10.095
m2	179.44	20	1	869.357624	9.985
Average					10.040
STDEV					0.078
RSD (%)					0.78
Diff. (%)					1.10
% of L.C.		10 mg/tbl			100.40

Conclusion:

Found amount of Stanozolol in "Stanozolol tablets, Magnus Pharmaceuticals, 10 mg/tablet, Batch No.: 170701" is 10.040 mg per tablet what represents 100.4% of label claim.

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Date

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