



## Protocol from analyses of Anastrozole content in tablets.

<b>Sample:</b>	Anastrazol tablets, Magnus Pharmaceuticals, 1 mg/tablet
<b>Batch No.:</b>	170201
<b>Mfg. Date:</b>	2/2017
<b>Exp. Date:</b>	1/2020
<b>Standard preparation:</b>	About 10mg of authentic Anastrozole standard was weighed and transferred into 20 ml volumetric flask. The flask was filled with 15 ml of HPLC purity methanol (MeOH), 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 MeOH. The standard solution was subsequently 10 times diluted with MeOH. Aliquot volume was transferred into autosampler vial and 5.0 µl was injected to HPLC-DAD instrument.
<b>Sample preparation:</b>	10 tablets of Anastrozol 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 MeOH, 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 MeOH, centrifuged at 9000 RPM for 5 minutes. Aliquot volumes were transferred into autosampler vials and 5.0 µl was injected to HPLC-DAD instrument.
<b>Method of analyses:</b>	HPLC-DAD instrument was used for analyses of Anastrozol using external calibration with authentic standard of Anastrozole. Areas under peaks of Anastrozole at 215 nm were measured and average amounts of Anastrozole per tablet were calculated from two samples.

### Calculation:


Anastrozol		Magnus Pharmaceuticals			
Standard	Weight (mg)	10.4	Concentration (mg/ml)	0.52	
215 nm	Volumetric flask (ml)	20	Dilution (times)	10	
	Purity (%)	100	Concentration (mg/ml)	0.052	
			Inj. volume (ul)	5	
			Area (mAU*s)	1019.16492	
	Weight of 10 tbl (g)	1.69408	AWT (mg/tbl)	169.408	
Sample	Sample weight (mg)	Vol. flask (ml)	Inj. volume (ul)	Area	Amount (mg/tbl)
m1	170.72	20	5	1022.02843	1.018
m2	172.08	20	5	1020.3028	1.001
Average					1.010
STDEV					0.012
RSD (%)					1.19
Diff. (%)					1.69
% of L.C.	1 mg/tbl				100.98

### Conclusion:

Found amount of Anastrozole in "Anastrozol tablets, Magnus Pharmaceuticals, 1 mg/tablet, Batch No.: 170201" is 1.010 mg per tablet what represents 100.98% of label claim.

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Date

  
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