



## Protocol from analyses of Turinabol content in tablets.

<b>Sample:</b>	Turinabol tablets, Magnus Pharmaceuticals
<b>Batch No.:</b>	170201
<b>Mfg. Date:</b>	2/2017
<b>Exp. Date:</b>	1/2020
<b>Standard preparation:</b>	About 5 mg of authentic Turinabol standard were 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. Aliquot volume was transferred into autosampler vial and 1.5 µl was injected to HPLC-DAD instrument.
<b>Sample preparation:</b>	10 tablets of Turinabol 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 1.0 µl was injected to HPLC-DAD instrument.
<b>Method of analyses:</b>	HPLC-DAD instrument was used for analyses of Turinabol using external calibration with authentic standard of Turinabol. Areas under peaks of Turinabol were measured and average amounts of Turinabol per tablet were calculated from two samples.

### Calculation:

Turinabol					
Standard	Weight (mg)	6.55	Concentration (mg/ml)	0.3275	
	Volumetric flask (ml)	20	Inj.volume (ul)	1.5	
	Purity (%)	100	Area 248nm (mAU*s)	1828.87146	
	Weight of 10 tbl. (g)	1.46089	AWT (mg/tbl.)	146.089	
Sample	Sample weight (mg)	Vol.flask (ml)	Inj.volume (ul)	Area 248nm	Amount (mg/tbl)
m1	142.98	20	1	1858.7771439	10.203
m2	143.61	20	1	1815.5459157	9.921
Average					10.062
STDEV					0.199
RSD (%)					1.98
Diff. (%)					2.80
% of L.C.					100.62

### Conclusion:

Found amount of Turinabol in "Turinabol tablets, Magnus Pharmaceuticals, 10 mg/tablet, Batch No.: 170201" is 10.062 mg per tablet what represents 100.62% of label claim.

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Date

Simec AG  
Gärtnereweg 4 B CH-4665 Oftringen  
Telefon +41 82 752 83 08 Fax +41 752 83 09  
E-Mail info@simec.ch www.simec.ch

Signature



Association of Swiss Laboratories  
Verband Schweizer Laboratorien  
Association des Laboratoires Suisses  
Associazione dei Laboratori Svizzeri