

香港榮欣生物科技有限公司

Rongxin Bio-Tech Co.,Ltd (H.K.)

Certificate of Analysis

Name of Product : Methenolone Acetate
Batch No. : 20170110
Mfd. Date : 2017/01/11
Test Date : 2017/01/12

<u>TEST ITEMS</u>	<u>SPECIFICATION</u>	<u>RESULTS</u>
Description	: White to Pale yellowish white crystalline powder, odorless	
Solubility :	Free soluble in acetone,1,4-dioxane and chloroform,soluble in ethanol(95) and methanol,sparingly soluble in diethyl ether and sesame oil,slightly soluble in hexane and in petroleum ether,and practically insoluble in water.	Conforms
Identification :	(1)Dissolve 1mg of Methenolone Acetate in 5ml of a mixture of ethanol(95) and sulfuric acid(1:1),and heat for 30 minutes in a water bath:a red-brown color develops.	Positive
	(2)To 0.01g of Methenolone Acetate add 0.5ml of dilute sodium hydroxide-ethanol TS,and heat for 1 minute on a water bath.After cooling,add 0.5ml of diluted sulfuric acid(1 in 2),and boil gently for 1 minute:the odor of ethyl acetate is perceptible.	Positive
	(3) Dissolve 0.05g of Methenolone Acetate in 3ml of methanol,add 0.3ml of a solution of potassium carbonate(1 in 6),and boil for 2 hours under a reflux condenser.After cooling,add this solution gradually to 50ml of cold water, and stir for 15minutes.Filter the precipitate so obtained by suction through a glass filter(G4),wash with 10ml of water,and dry at 105°C for 1 hour: it melts between 157°C and 161°C.	Positive
	(4) Determine the infrared absorption spectrum of Methenolone Acetate,previously dried,as directed in the potassium bromide disk method under the infrared spectrophotometry,and compare the spectrum with the reference spectrum: both spectra exhibit similar intensities of absorption at the same wave numbers.	Positive
Solution Appearance :	clear, no color or buff	Conform
Optical Rotation :	+39° ~+42°	+40.5°
Loss on drying :	0.5% max	0.26 %
Melting Point :	141~144°C	141.5~143.5°C
Residual on ignition :	0.1% max	0.07%
Heavy metals :	10ppm max	Conform
Related Substance(TLC) :	Except the main spot, other spots color not more than the standard solution spot	Conform
Assay :	97.0%~103.0%	98.8%
Conclusion	The specification conform with JP14 standard	

