



**SYMBIOTICA**  
SPECIALITY INGREDIENTS SDN BHD



### CERTIFICATE OF ANALYSIS

**Product** : Testosterone Propionate  
**Batch no.** : TSP 101/0218

**Manf. Date** : February 2018  
**Retest Date** : January 2021

<b>Description</b>	White powder (White or almost white powder or colorless crystals)
<b>Solubility</b>	Complies (Practically insoluble in water, freely soluble in acetone and in ethanol (96%), soluble in fatty oils)
<b>Identification</b>	IR : Concordant with standard (EP)
<b>Specific rotation</b> ( 1% solution in Ethanol)	+84° ( +84° to +90° on dried basis )
<b>Related Substances</b> (By HPLC)	0.10 % ( Impurity A : NMT 0.5% ) Less than 0.05 % ( Impurity C : NMT 0.2% ) Complies ( Unspecified impurities : NMT 0.10% ) 0.10 % ( Total Impurities : NMT 0.7% )
<b>Loss on drying</b>	0.14 % w/w (NMT 0.5% w/w )
<b>Assay</b>	By HPLC : 98.1 % w/w ( NLT 97.5% w/w and NMT 102.0% w/w on dried basis)

**Conclusion** : Complies with EP 9

Analytical Chemist

*R1*

Asst. QC Manager

*H H*

MA Member of  FAMM

Manufacturing Site: No. 518, Jalan Waja 4, Taman Industri Waja, 09000 Kulim, Kedah Darul Aman, Malaysia.

*Enterprise*  
4-3-3  
Sustainable Manufacturing  
Innovation & Growth

