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Certificate of Analysis

Product Name:	Dehydroepiandro-sterone (DHEA)	Batch No.:	C04-190101(M)
Quantity:	100kg	Packaging:	10kg/carton
Manuf. Date:	Dec. 18, 2018	Sampling Date:	Feb. 16, 2019
Retest Date:	Dec. 17, 2021	Report date:	Feb. 26, 2019
Standard:	FP		
Items	Specifications	Results	
1. Appearance:	White or almost white crystalline powder	White crystalline Powder, Micronized	
2. Identification: IR	The IR spectrum of sample should be corresponds to that of working reference standard.	Complies	
3. Melting range:	148°C to 151°C	149°C to 150°C	
4. Specific rotation:	+ 11.0° to + 14.0°	+ 12.3°	
5. Water:	0.5% Max.	0.11%	
6.Sulphated ash:	0.1% Max.	0.05%	
7. Heavy metals(Pb):	10ppm Max.	Complies	
8. Hydroxylamine:	5ppm Max.	Complies	
9. Related substances:	Impurity A: 0.10% Max.	Not detected	
	Impurity B: 0.10% Max.	Not detected	
	Impurity C: 0.02% Max.	Not detected	
	Impurity D: 0.10% Max.	Not detected	
	Impurity E: 0.10% Max.	Not detected	
	Impurity F: 0.08% Max.	Not detected	
	Any unspecified impurity:0.10% Max.	RRT 0.61 0.08% RRT 1.49 <0.025% RRT 3.03 0.04%	
	Total impurity: 0.50% Max.	0.11%	
10. Assay (HPLC, on dried basis)	98.0% to 102.0%	101.0%	
11. Residual solvents	Methanol: 1500ppm Max. Ethanol: 2000ppm Max. Toluene: 890ppm Max. Pyridine: 50ppm Max.	336ppm Not detected Not detected Not detected	
12.Total plate count:	1000cfu/g Max.	<10cfu/g	
13.Yeast & Mold:	100cfu/g Max.	<10cfu/g	
14.E.coli:	Negative	Negative	
15. Particle size:	100% through 40mesh; 40%~60% through 80mesh; ≤20% through 200mesh	100% through 40mesh 52% through 80mesh 3% through 200mesh	
Conclusions:	The product conforms to FP.		

QA Manager:

Reported by: