



武汉万知化工医药有限公司  
Wuhan Vanz Pharm Inc.

## Certificate of Analysis

Product and Batch Information			
Product Name	5a-hydroxylaxogenin		
Batch Quantity	53kg	CAS#	56786-63-1
Batch No.	VZA020523	Manufacture Date	May. 23th, 2018
Analysis Date	May. 23th, 2018	Expiry Date	May. 22th, 2020
Country of Origin	P.R. China	Reference	In house
Item	Specification	Result	Test Method
Active Ingredient			
Assay(% on dried base)	NLT 98.0%	98.51%	HPLC
Physical Control			
Appearance	White crystalline powder	Conforms	Visual
Odor & Taste	Characteristic	Conforms	Organoleptic
Identification	HPLC retention time correspond to reference standard	Conforms	HPLC
	Positive	Conforms	<sup>1</sup> H NMR
Odor & Taste	Characteristic	Conform	Organoleptic
Loss on Drying	NMT 5.0%	0.83%	USP<731>
Residue on ignition	NMT 1.0%	0.20%	USP<281>
Chemical Control			
Heavy Metals	NMT 10ppm	Conforms	USP<231>
Lead (Pb)	NMT 1.0ppm	Conforms	ICP-MS
Arsenic (As)	NMT 1.0ppm	Conforms	ICP-MS
Cadmium (Cd)	NMT 1.0ppm	Conforms	ICP-MS
Mercury (Hg)	NMT 0.1ppm	Conforms	ICP-MS
Microbiological Control			
Total Plate Count	NMT 1000cfu/g	Conforms	USP<2021>
Yeast & Mold	NMT 100cfu/g	Conforms	USP<2021>
E.Coli	Negative	Conforms	USP<2022>
Salmonella	Negative	Conforms	USP<2022>
Packing and Storage			
Packing	Pack in aluminum foil bag and two plastic-bags inside.		
Storage	Store in a well-closed container away from moisture and direct sunlight.		
Shelf Life	2 years if sealed and stored properly.		

Analyst: Jin Cheng

Checker: Ke Du

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