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Xi'an Plant Bio-engineering Co.,Ltd

CERTIFICATE OF ANYLISIS

Product name:	Gossypol acetate	CAS NO:	12542-36-8
Source	Cottonseed	Used part	Seed
Batch No.:	DY20190412	Batch Qty:	60 KGS
Manufacture Date:	April,13 th ,2019	Expiry Date:	April,12 th ,2021

Item	Specification	Results
Assay(HPLC)		
Gossypol-acetic acid	98%	99.51%
Identification:	It should be positive reaction	Complies
Appearance:	yellow fine powder	White powder
Odor:	Characteristic	Complies
Particle Size:	100% Pass 80 mesh	Complies
Heavy metal:	10PPM	Complies
Arsenic:	2PPM	Complies
Pb:	2PPM	Complies
Loss on Drying:	1.0%	0.42%
Residue on ignition:	1.0%	0.1%
Residue solvent		
Methanol :	3000ppm	Complies
Chloroform :	60ppm	Complies
Acetone :	5000ppm	Complies
Microbiological Control		
Total Plate Count:	< 1000CFU/gm	Complies
Total Yeast & Mold:	< 100CFU/gm	Complies
Salmonella:	Negative	Complies
E.Coli:	Negative	Complies
Staphylococcus :	Negative	Complies
Storage:	Closed keep in cool,dry and dark place ;keep from heat and strong light	
Conclusion:	Conform with Specification according to CP15.	