西安天丰生物科技股份有限公司
Xi'an Natural Field Bio-Technique Co., Ltd

CERTIFICATE OF ANALYSIS

Product Name:	Ashwagandha extract 5% (USP40)		
Latin Name:	Withania somnifera		
Plant Part:	Root	Manu Date:	Dec. 16, 2019
Batch Number:	NF-20191216	Expiration Date:	Dec. 15, 2021
Quantity:	250kg	Report Date:	Dec. 16, 2019
Storage Condition:	Store in a well-closed and dry place with constant room temperature and Non-direct sunlight		

Item	**Standard**	**Test Result**
Assay(TLC)	≥5.0%	5.31%
Organoleptic		
Appearance	Fine Powder	Conforms
Color	Brown	Conforms
Odor	Characteristic	Conforms
Taste	Characteristic	Conforms
Physical Characteristics		
Particle Size	NLT100%Through 60 mesh	Conforms
Loss on Drying	≤5.0%	Conforms
Bulk density	0.4-0.70g/ml	Conforms
Residue Solvents	Complies USP	Conforms
Heavy metals		
Total Heavy Metals	≤10.0ppm	Conforms
Lead(Pb)	≤1.0ppm	Conforms
Arsenic(As)	≤1.5ppm	Conforms
Mercury(Hg)	≤1.5ppm	Conforms
Cadmium(Cd)	≤0.5ppm	Conforms
Microbiological Tests		
Total plate Count	≤1000cfu/g	Conforms
Yeast & Mold	≤100cfu/g	Conforms
Total Coliforms	≤10cfu/g	Conforms
E.Coli.	Negative	Conforms
Salmonella	Negative	Conforms
Pseudomonas aeruginosa	Negative	Conforms
Staphylococcus	Negative	Conforms
Conclusion	Conforms to the In-house standard	
Tested by:	Lijun Dou	Approved by: Licheng Niu

Xi'an Natural Field Bio-technique Co., Ltd Inspection

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