

## CERTIFICATE OF ANALYSIS

Product Name:	<b>Astragalus Extract</b>		
Plant Latin Name:	<i>Astragalus membranaceus</i>	Ref. Standard:	In-house Standard
Used Part:	Root	Spec.:	Astragaloside IV 0.5%
Batch Number:	NF-20210629	Manuf. Date:	Jun.29,2021
Batch Size :	540kg	Expiry Date:	Jun.28,2023
Storage Condition:	Store in a well-closed and dry place with constant room temperature and non-direct sunlight		

ITEM	METHOD	SPECIFICATION	RESULT
<b>Organoleptic</b>			
Appearance	Organoleptic	Fine powder	Conforms
Color	Organoleptic	Light brown	Conforms
Odor	Organoleptic	Characteristic	Conforms
Taste	Organoleptic	Characteristic	Conforms
Excipient	/	None	Conforms
Extraction solvent	/	Ethanol / Water	Conforms
<b>Physical Characteristics</b>			
Particle Size	USP<786>Sieving	95%Through 80 mesh	Conforms
Loss on Drying	USP<731>	≤5.0%	3.48%
Ash	USP<561>	≤5.0%	3.23%
<b>Heavy Metals</b>			
Total Heavy Metals		≤10ppm	Conforms
Lead(Pb)	USP<730>ICP-MS	≤3.0ppm	Conforms
Arsenic(As)	USP<730>ICP-MS	≤2.0ppm	Conforms
Mercury(Hg)	USP<730>ICP-MS	≤0.1ppm	Conforms
Cadmium(Cd)	USP<730>ICP-MS	≤1.0ppm	Conforms
<b>Microbiological Tests</b>			
Total Plate Count	USP<2021>	≤5000cfu/g	Conforms
Yeast & Mold	USP<2021>	≤100cfu/g	Conforms
E.Coli.	USP<2022>	Negative	Negative
Salmonella	USP<2022>	Negative	Negative
<b>Assay</b>	HPLC	Astragaloside IV ≥0.500%	0.63%
Conclusion:	Conform to In-house standard.		

Tested by: Fangchao Yang

Approved by: Yulian Liu

