

CERTIFICATE OF ANALYSIS

Product Name	Astragalus Extract	Batch Number	U-F-HQ20181113
Botanical Latin Name	<i>Radix astragali seu hedysari</i>	MFG. Date	Nov. 13, 2018
Plant Part	Root	Retest Date	Nov. 12, 2020
Batch Size	700kg	Certificate Date	Nov. 19, 2018

ITEM	SPECIFICATION	RESULT	TEST METHOD
Physical Description			
Appearance	Yellow brown powder	Conforms	Visual
Odor	Characteristic	Conforms	Organoleptic
Taste	Characteristic	Conforms	Olfactory
Particle size	100% pass through 80 mesh sieve	Conforms	CP2010
Chemical Tests			
Assay	Polysaccharide 50% min	Conforms	UV
Loss on drying	≤5%	Conforms	CP2010 (105 °C, 3 h)
Ash	≤5 %	Conforms	CP2010 (600 °C, 4 h)
Heavy Metals	≤20 ppm	Conforms	CP2010
Lead (Pb)	≤2 ppm	Conforms	CP2010(AAS)
Arsenic (As)	≤2 ppm	Conforms	CP2010(AAS)
Cadmium (Cd)	≤1 ppm	Conforms	CP2010(AAS)
Mercury (Hg)	≤0.1 ppm	Conforms	CP2010(AAS)
Microbiology Control			
Aerobic bacterial count	≤1,000 cfu/g	Conforms	CP2010
Total Yeast & Mold	≤100 cfu/g	Conforms	CP2010
Escherichia coli	Negative	Conforms	CP2010
Salmonella	Negative	Conforms	CP2010

Conclusion	Conform with specification
Storage	Store in cool & dry place, Keep away from strong light and heat
Shelf life	2 years when properly stored

QC: Xuejuan Gao

QA: Weifeng Zhang

