

CERTIFICATE OF ANALYSIS

Product name:	Ursolic Acid	CAS No:	77-52-1
Batch Number:	NF-20190805	Manu. Date:	Aug. 05, 2019
Batch Size	25kgs	Expiration Date:	Aug. 04, 2021
Net Weight:	1kg	Report Date	Aug. 05, 2019
Storage Condition:	Preserve in tight containers at controlled room temperature .		
Item	Specification	Result	Method
Identification	TLC	Conforms	
	HPLC	Conforms	
Assay	90.00%	91.17%	HPLC
Organoleptic			
Appearance	Fine Powder	Conforms	Visual
Color	White, Off-white	Conforms	Visual
Odor	Characteristic	Conforms	Organoleptic
Taste	Characteristic	Conforms	Organoleptic
Drying Method	Vacuum drying	Conforms	
Excipient	None	Conforms	
Physical Characteristics			
Particle Size	100%Through 80 mesh	Conforms	GB5507-85
Loss on Drying(5h at 105°C)	≤3.0%	1.56%	GB/T12531-1990
Ash content	≤1.0%	0.31%	AOAC942.05,17 th
Heavy metals			
Total Heavy Metals	≤10ppm	Conforms	CP2000 IXE
Arsenic	≤0.5ppm	Conforms	GB/T5009.11-1996
Cadmium	≤0.5ppm	Conforms	GB/T5009.11-1996
Chromium	≤2.0ppm	Conforms	GB/T5009.11-1996
Pb	≤2.0ppm	Conforms	GB/T5009.12-1996
Mycotoxines			
Aflatoxins	Negative	Negative	
Residual Solvents	Meets the requirements of ICH	Conform	
Ethyl Acetate	Negative	Negative	Enterprise Standard
Acetone	Negative	Negative	Enterprise Standard
Ethanol	≤5000ppm	860ppm	Enterprise Standard
Acetic acid	Negative	Negative	Enterprise Standard
Microbiological Tests			
Total Plate Count	≤1000cfu/g	Conform	AOAC990.12,16 th
Total Yeast & Mold	≤100cfu/g	Conform	FDA(BAM)Chapter18
Total Coliforms	Negative	Negative	AOAC
E.Coli	Negative	Negative	AOAC975.55,16 th
Non-Irradiated, Non-GMO, Non-Allergen			
Conclusion:	Conform to In-house standard		
Tested by:	Liu Mengting	Approved by:	Niu Jicheng

