

CERTIFICATE OF ANALYSIS

Product name:	Apple Polyphenols		
CAS No:	/	Plant Latin name:	<i>Malus Pumila Mill.</i>
Batch Number:	NF-20190630	Manu. Date:	Jun. 30, 2019
Batch Size	150KGS	Expiration Date:	Jun. 29, 2021
Net Weight:	150KGS	Report Date:	Jul. 01, 2019
Storage Condition:	Preserve in tight containers at controlled room temperature .		

Item	Specification	Result
Assay (UV)	70.00%	70.30%
Organoleptic		
Appearance	Pale brown or brown red fine powder	Conforms
Odor	Characteristic	Conforms
Taste	Characteristic	Conforms
Excipient	None	Conforms
Physical Characteristics		
Particle Size	100%Through 80 mesh	Conforms
Loss on Drying (5h, 105°C)	≤ 2.0%	1.32%
Ash (3h, 600°C)	≤ 1.0%	0.62%
Extraction Solvent	Ethanol & Water	Conforms
Heavy metals		
Total Heavy Metals	≤20ppm	Conforms
Pb	≤1ppm	Conforms
As	≤3ppm	Conforms
Hg	≤0.1ppm	Conforms
Cd	≤1ppm	Conforms
Solvents Residue	Ethanol ≤5000ppm	Conforms
Microbiological Tests		
Total Plate Count	≤1000cfu/g	135cfu/g
Yeast	≤100cfu/g	59cfu/g
Mould	≤10cfu/g	6cfu/g
Escherichia coli	Negative	Negative
Pseudomonas aeruginosa	Negative	Negative
Gram negative bacteria	Negative	Negative
Candida albicans	Negative	Negative
Staphylococci	Negative	Negative
Conclusion:	Conforms to Enterprise standard.	
Tested by:	Mr. Yang Fangchao	Approved by: Mr. Niu Jicheng

