

CERTIFICATE OF ANALYSIS

Product name:	Black Pepper Extract		
CAS No:	94-62-2	Used part:	Seed
Plant Latin name:	Piper nigrum L.	Chemical name:	
Batch Number:	NF-20181115	Manu. Date:	Nov.15.2018
Batch Size	100KGS	Expiration Date:	Nov.14.2020
Net Weight:	100KGS	Report Date	Nov.17.2018
Storage Condition:	Preserve in tight containers at controlled room temperature .		

Item	Specification	Result
Assay(HPLC)	Piperine ≥98.00%	98.56%
Organoleptic		
Appearance	Light Yellow Powder	Conforms
Odor	Characteristic	Conforms
Taste	Characteristic	Conforms
Drying Method	Vacuum drying	Conforms
Excipient	None	Conforms
Physical Characteristics		
Particle Size	100%Through 80 mesh	Conforms
Loss on Drying	≤2.0%	1.45%
Ash content	≤1.0%	0.31%
Bulk density	50-60g/100ml	Conforms
Extract solvent	Eur.Pharm	Conforms
Heavy metals		
Total Heavy Metals	≤20ppm	Conforms
As	≤2.0ppm	Conforms
Pb	≤2.0ppm	Conforms
Microbiological Tests		
Total Plate Count	≤1000cfu/g	Conforms
Total Yeast & Mold	≤100cfu/g	Conforms
E.Coli	Negative	Negative
Salmonella	Negative	Negative
Staphylococcus	Negative	Negative
Conclusion:	Conforms	
Tested by:	Jicheng Niu	Approved by: Fangchao Yang

