



Shaanxi LonierHerb Bio-Technology Co., Ltd.

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V2.01-2021

Certificate of Analysis

Product Information			
Product Name	Black Pepper Extract Powder	Report Number	BPL20210637
Botanical Name	Piper nigrum	Manufacture Date	2021/06/12
Used Part	Seed	Analysis Date	2021/06/17
Batch Number	BPL210612	Report Date	2021/06/22
Batch Quantity	200Kg	Expiry Date	2024/06/11
Test Items	Specifications	Result	Test Methods
Active Ingredients			
Assay	≥98.0% Piperine	98.27%	HPLC
Physical & Chemical Data			
Appearance	Off White or White Fine Powder	Conforms	Visual
Odor and Taste	Characteristic	Conforms	Organoleptic
Sieve analysis	90% through 80 mesh	Conforms	80 Mesh Screen
Loss on Drying	≤5.0 %	2.93%	105°C/2 hrs
Total Ash	≤5.0 %	0.44%	GB 5009.4-2016
Bulk Density	40~60 g/100mL	49.1g/100mL	GB/T 18798.5
Tap Density	50~80g/100mL	52.3g/100mL	GB/T 18798.5
Contaminants			
Lead (Pb)	<3.0mg/kg	Conforms	ICP-MS
Arsenic (As)	<2.0mg/kg	Conforms	ICP-MS
Cadmium (Cd)	<1.0mg/kg	Conforms	ICP-MS
Mercury (Hg)	<0.1mg/kg	Conforms	ICP-MS
Microbiological			
Total Aerobic Count	≤1000cfu/g	130cfu/g	GB 4789.2
Yeast & Moulds	≤100cfu/g	20cfu/g	GB 4789.15
E-Coli	Negative	Conforms	GB 4789.3
Salmonella	Negative	Conforms	GB 4789.4
Staphylococcus Aureus	Negative	Conforms	GB 4789.10
Conclusion			
Conclusion	To be complied with in-house Specification		
Shelf Life	3 years when properly stored		
Storage	Store in cool & dry place, not freeze. Keep away from strong light.		

Remarks: This product is natural, the color vary from batch to batch.

Tested by: 张丽娟

Checker: 李明

Approved:

