

Certificate of Analysis

Product Information			
Product Name	Black Pepper Extract Powder	Report Number	BPL20210637
Botanical Name	Piper nigrum	Manufacture Date	2021/12/03
Used Part	Seed	Analysis Date	2021/12/08
Batch Number	BPP211203	Report Date	2021/12/13
Batch Quantity	200Kg	Expiry Date	2024/12/02
Test Items	Specifications	Result	Test Methods
Active Ingredients			
Assay	≥95.0% Piperine	95.33%	HPLC
Physical & Chemical Data			
Appearance	Light Yellow Fin Powder	Conforms	Visual
Odor and Taste	Characteristic	Conforms	Organoleptic
Sieve analysis	90% through 80 mesh	Conforms	80 Mesh Screen
Loss on Drying	≤5.0 %	2.53%	105°C/2 hrs
Total Ash	≤5.0 %	0.35%	GB 5009.4-2016
Bulk Density	40~60 g/100mL	49.1g/100mL	GB/T 18798.5
Tap Density	50~80g/100mL	51.6g/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	155cfu/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: 张丽娜

Checker: 李明

Approved:

