

Certificate of Analysis

Product Information			
Product Name	Hop Flower Extract Powder	Report Number	HFP20220319
Botanical Name	Humulus lupulus Linn	Manufacture Date	2022/02/22
Used Part	Flower	Analysis Date	2022/02/27
Batch Number	HFP220222	Report Date	2022/03/04
Batch Quantity	500Kg	Expiry Date	2025/02/21
Test Items	Specifications	Result	Test Methods
Active Ingredients			
Assay	≥8.0% Flavonoids	8.19%	UV
Physical & Chemical Data			
Appearance	Yellow Brown 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 %	2.95%	105°C/2 hrs
Total Ash	≤5.0 %	0.31%	GB 5009.4-2016
Bulk Density	40~60g/100mL	48.7g/100mL	GB/T 18798.5
Tap Density	50~80g/100mL	50.6g/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	190cfu/g	GB 4789.2
Yeast & Moulds	≤100cfu/g	30cfu/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:

