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Certificate of Analysis

Product Information

Product Name	Helichrysum Arenarium Extract Powder	Product Number	HAL20201038
Botanical Name	Helichrysum arenarium	Manufacture Date	2020.10.16
Used Part	Whole Herb	Analysis Date	2020.10.21
Batch Number	HAL201016	Report Date	2020.10.26
Batch Quantity	300KG	Expiry Date	2023.10.15

Test items	*Specifications*	*Result*	*Test Methods*
Active Ingredients			
Extract Ratio	10:1	Conforms	TLC
Flavonoid	NMT1%	0.050%	UV
Physical & Chemical Data			
Appearance	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 %	2.98%	105℃/2 hrs
Total Ash	≤5.0 %	2.07%	GB 5009.4
Bulk Density	40~60 g/100mL	52.0 g/100mL	GB/T 18798.5
Tap Density	60~90g/100mL	69.0 g/100mL	GB/T 18798.5
Contaminants			
Lead (Pb)	<3.0mg/kg	0.09mg/kg	ICP-MS
Arsenic (As)	<2.0mg/kg	0.12mg/kg	ICP-MS
Cadmium (Cd)	<1.0mg/kg	0.03mg/kg	ICP-MS
Mercury (Hg)	<0.1mg/kg	0.001mg/kg	ICP-MS
Solvents Residue	<5000 mg/kg		GC
Microbiological			
Total Aerobic Count	≤ 1000cfu/g	650cfu/g	GB 4789.2
Yeast & Moulds	≤ 100cfu/g	10cfu/g	GB 4789.15
E-Coli	Negative	Conforms	GB 4789.3
Salmonella	Negative	Conforms	GB 4789.4
Staphylococcus Aureus	Negative	Conforms	GB 4789.10

Storage & Packing

Shelf Life：3 years when properly stored.
Packing : Packed in paper-drums and two plastic-bags inside.
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： Checker： Approved：