

### Certificate of Analysis

**Product Information**

Product Name	He Shou Wu Extract	Report Number	HSN20220240
Botanical Name	Polygonum Multiflorum Thunb.	Manufacture Date	2022/02/15
Used Part	Root	Analysis Date	2022/02/20
Batch Number	HSN220215	Report Date	2022/02/25
Batch Quantity	900KG	Expiry Date	2025/02/14

<i>Test items</i>	<i>Specifications</i>	<i>Result</i>	<i>Test Methods</i>
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**Active Ingredients**

Extract Ratio	10:1	Conforms	TLC
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**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 %	3.18%	105°C/2 hrs
Total Ash	≤5.0 %	3.13%	GB 5009.4
Bulk Density	40~60 g/100mL	53.8 g/100mL	GB/T 18798.5
Tap Density	60~90g/100mL	68.4 g/100mL	GB/T 18798.5
Extract Solvents	Water & Alcohol	Conforms	

**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
Solvents Residue	<5000mg/kg	Conforms	GC

**Microbiological**

Total Aerobic Count	≤ 1000cfu/g	150cfu/g	GB 4789.2
Yeast & Moulds	≤ 100cfu/g	40cfu/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: 张丽娜

Checker: 李明

Approved:

