

Certificate of Analysis**Product Information**

Product Name	Lichen Usnea Extract	Report Number	LIN20211137
Botanical Name	Usnea diffracta Vain.	Manufacture Date	2021/11/12
Used Part	Leaf	Analysis Date	2021/11/17
Batch Number	LIN211112	Report Date	2021/11/22
Batch Quantity	200KG	Expiry Date	2023/11/11

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

Assay	≥98.0% Usnic Acid	98.21%	HPLC
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Physical & Chemical Data

Appearance	Light Yellow Crystalline Powder	Conforms	Visual
Odor and Taste	Characteristic	Conforms	Organoleptic
Identification	Positive	Conforms	
Loss on Drying	≤5.0 %	1.36%	105°C/2 hrs
Total Ash	≤5.0 %	0.59%	GB 5009.4

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	80cfu/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

Storage & Packing

Shelf Life:	2 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:

