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V2.01-2021

Certificate of Analysis

Product Information			
Product Name	Usnic Acid Powder	Report Number	UAP20211120
CAS No.	125-46-2	Manufacture Date	2021/10/25
Batch Number	UAP211025	Analysis Date	2021/10/30
Batch Quantity	100Kg	Expiry Date	2023/10/24

Test Items	***Specifications***	***Result***	***Test Methods***
Active Ingredients			
Assay	≥98.0%	98.26%	HPLC
Physical & Chemical Data			
Appearance	Light Yellow Crystalline Powder	Conforms	Visual
Odor and Taste	Characteristic	Organoleptic	Organoleptic
Identification	Positive	Conforms	
Loss on Drying	≤5.0 %	1.33%	105°C/2 hrs
Total Ash	≤5.0 %	0.27%	GB 5009.4-2016
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	50cfu/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

Conclusion	
Conclusion	To be complied with in-house Specification
Shelf Life	2 years when properly stored.
Storage	Store in cool & dry place, not freeze. Keep away from strong light.

Tested by: Checker: Approved: