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V2.01-2021

Certificate of Analysis

Product Information			
Product Name	Cinchona Extract Powder	Report Number	CEP20231146
Botanical Name	Cinchona ledgeriana Moens	Manufacture Date	2023/11/21
Used Part	Bark	Analysis Date	2023/11/26
Batch Number	CEP231121	Report Date	2023/11/30
Batch Quantity	500Kg	Expiry Date	2026/11/20

Test Items	***Specifications***	***Result***	***Test Methods***
Active Ingredients			
Extract Ratio	10:1	Conforms	TLC
Physical & Chemical Data			
Appearance	Yellow Brown Fine Powder	Conforms	Visual
Odor and Taste	Characteristic	Conforms	Organoleptic
Sieve analysis	Through 80 mesh	Conforms	80 Mesh Screen
Loss on Drying	≤5.0 %	2.63%	105℃/2 hrs
Total Ash	≤5.0 %	0.42%	GB 5009.4-2016
Bulk Density	40~60g/100mL	49.3g/100mL	GB/T 18798.5
Tap Density	50~80g/100mL	55.2g/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	170cfu/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
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: Checker: Approved: