

Certificate of Analysis

Expiry Date: May. 02, 2028
Manufacture Date: May. 03, 2025

Product Name	Artemisia annua powder	Batch Number	20250503
Botanical Source	<i>Artemisia annua L.</i>	Batch Quantity	50KG
Part Used	Whole plant(Dry, 100% Natural)	Country of Origin	China

Items	Specifications	Results	Test Methods
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Physical and Chemical			
Loss on Drying	≤ 5.0%	3.34%	GB 5009.3
Residue on Ignition	≤ 5.0%	3.96%	GB 5009.4
Mesh Size	95% pass 80 mesh	Conforms	CP2020
Assay	Artemisinin ≥95.0%	95.15%	HPLC
Appearance	Dark green powder	Conforms	Visual
Odor & Taste	Characteristic	Conforms	Organoleptic
Contaminants			
Arsenic (As)	≤ 1.0 mg/kg	0.276 mg/kg	ICP-MS
Lead (Pb)	≤ 2.0 mg/kg	1.070 mg/kg	ICP-MS
Mercury (Hg)	≤ 1.0 mg/kg	0.011 mg/kg	ICP-MS
Cadmium(Cd)	≤ 1.0 mg/kg	0.153 mg/kg	ICP-MS
Residual solvents	Meet Eur.Ph. <2.4.24>	Conforms	Eur.Ph. <2.4.24>
Pesticide Residue	Meet Eur.Ph. <2.8.13>	Conforms	Eur.Ph. <2.8.13>
Benzo(a)pyrene	≤ 10 ug/kg	Conforms	Eu. Reg 1881
Sum of B(a)P, B(a)A, B(b)F, & Chrysene	≤ 50 ug/kg	Conforms	Eu. Reg 2015

Microbiological			
Total plate count	≤ 1,000 cfu/g	Conforms	ISO 4833-1
Moulds & Yeasts	≤ 100 cfu/g	Conforms	ISO 21527-2
Escherichia coli	< 10 cfu/g	Conforms	ISO 16649-2
Salmonella	Not Detected/25g	Not Detected	ISO 6579-1
Bacillus cereus	< 10 cfu/g	< 10 cfu/g	ISO 7932:2004
Coagulase-positive staphylococci	< 10 cfu/g	< 10 cfu/g	ISO 6888-1
Sanitizing status	Non irradiated, No ETO treated, Negative by PSL screen test.		
GMO/BSE status	Non-GMO, Free of BSE.		

Package	Packed in a food polythene bag(N.W.: 5KG-25KG), outside package is carton or fiber drum.
Storage	Stored in a well-closed container at cool temperature(below 30℃) away from direct sunlight.

Shelf Life

3 years if sealed and stored under the recommended conditions

Conclusion: This batch of Artemisia annua powder meets above the specification.

Analyzed by: Muhammad Sesay

Checked by: 叶平

Approved by: 包威

