

Certificate of Analysis

Expiry Date: Feb. 10, 2028
Manufacture Date: Feb. 11, 2025

Product Name	Green tea Extract	Batch Number	XS250211-06
Botanical Source	<i>Camellia sinensis L.</i>	Batch Quantity	80KG
Plant Part Used	Leaves(Dry, 100% Natural)	Country of Origin	China
Excipient & Ratio	20:1	Solvents Used	Ethyl acetate

Analysis Items	Specifications	Results	Test Methods
Identification	<i>Identical to R.S samples</i>	Identical	HPTLC

Physical and Chemical			
Loss on Drying	≤ 5.0%	3.06%	GB 5009.3
Ash Content	≤ 5.0%	2.36%	GB 5009.4
Bulk Density	30-65g/100ml	Conforms	USP<616>
Assay	Catechin	0.49%	HPLC
	Epicatechin(EC)	3.16%	
	Epicatechin gallate(ECG)	0.95%	
	Epigallocatechin(EGC)	6.90%	
	Epigallocatechin gallate(EGCG)	84.46%	
	Catechins	95.96%	
	Gallic acid	0.36%	
Caffeine	0.38%		
Appearance	Light yellow to yellow brown powder	Conforms	Visual
Odor & Taste	Characteristic&Bitterness	Conforms	Organoleptic
Particle size	Pass 80 mesh	Conforms	CP2020
Contaminants			
Arsenic (As)	≤ 0.1 mg/kg	Conforms	ICP-MS
Lead (Pb)	≤ 0.1 mg/kg	Conforms	ICP-MS
Mercury (Hg)	≤ 0.1 mg/kg	Conforms	ICP-MS
Cadmium(Cd)	≤ 0.1 mg/kg	Conforms	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



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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

Package	Packed in a polyethylene lined corrugated package (N.W.: 5KG, 25KG), outside package is carton or fiber drum.
Storage	Stored in a well-closed container at cool temperature away from direct sunlight.
Shelf Life	3 years if sealed and stored under the recommended conditions

Conclusion: This batch of Green tea Extract meets the above specification.

Analyzed by: Muhammad Sesay

Checked by: 叶平

Approved by: 祝威

