



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Issue Date: 20 FEB 2026 Quality Release Date: 20 FEB 2026

Product Information

Product Number GTE-20260220

Batch Number GTE-SH2026022001

Brand SIGALD

Botanical Source *Camellia sinensis* (L.) Kuntze Leaf

Active Markers Tea Polyphenols ≥98%; EGCG ≥50%

Appearance Light yellow to pale green fine powder

Solubility Freely soluble in water, soluble in ethanol

Test Results

Test	Specification (EP 10.0 / USP 45 / CP 2020)	Result	Unit	Test Method
Appearance	Light yellow to pale green fine powder	Conforms	-	Visual Inspection
Tea Polyphenols (on dry basis)	≥98.0%	98.7%	%	UV-Vis Spectrophotometry
EGCG (Epigallocatechin Gallate, on dry basis)	≥50.0%	52.3%	%	HPLC
Loss on Drying	≤5.0%	2.8%	%	105°C, 2h Gravimetry
Total Ash	≤5.0%	3.5%	%	550°C Ignition Method
Acid-Insoluble Ash	≤1.0%	0.4%	%	Acid Digestion + Ignition
Heavy Metals (Pb)	≤5 ppm	1.0 ppm	ppm	AAS
Heavy Metals (As)	≤1 ppm	0.2 ppm	ppm	AFS
Heavy Metals (Cd)	≤0.5 ppm	0.1 ppm	ppm	AAS
Heavy Metals (Hg)	≤0.1 ppm	ND (< 0.05ppm)	ppm	AFS
Pesticide Residues	Complies with EP/USP limits	Complies	-	GC-MS/MS
Total Aerobic Microorganisms	≤1000 cfu/g	210 cfu/g	cfu/g	Plate Count Method
Molds & Yeasts	≤100 cfu/g	28 cfu/g	cfu/g	Plate Count Method
Escherichia coli	Negative in 1g	Negative	-	Microbiological Culture
Salmonella	Negative in 25g	Negative	-	Microbiological Culture
Staphylococcus aureus	Negative in 1g	Negative	-	Microbiological Culture

Certification

This batch of Green Tea Extract is manufactured and tested in accordance with EP 10.0, USP 45 and Chinese Pharmacopoeia (2020) standards for natural plant extracts. All test results meet the specified quality requirements, and the product is qualified for use in food, health care products, cosmetics and pharmaceutical raw materials.