



CERTIFICATE OF ANALYSIS

Product and Batch Information

Product Name:	Black Tea Extract	Country of Origin:	P. R. China
Latin Name:	<i>Camellia sinensis O. Ktze</i>	Active Ingredient:	Theaflavin
Plant Part:	Leaf (Dried, 100% Natural)	Manufacture Date:	September 9, 2025
Batch No.:	BTE-250909	Analysis Date:	September 10, 2025
Batch Qty.:	500KG	Report Date:	September 17, 2025

Analysis Item	Specification	Result	Test Method
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Active Ingredient

Theaflavin	NLT 30%	31.10%	HPLC
TF2A	Only report	8.00%	HPLC
Caffeine	Only report	0.30%	HPLC

Physical Control

Appearance	Brownish Red powder	Conforms	GB/T 5492-2008
Odor	Characteristic	Conforms	GB/T 5492-2008
Taste	Characteristic	Conforms	GB/T 5492-2008
Sieve Analysis	95% pass 80 mesh	Conforms	Physical Method
Loss on drying	NMT 5%	3.00%	HB43-S Moisture Meter

Chemical Control

Arsenic (As)	NMT 2ppm	Conforms	GB 5009.11-2014
Cadmium(Cd)	NMT 1ppm	Conforms	GB 5009.15-2015
Lead (Pb)	NMT 2ppm	Conforms	GB 5009.12-2017
Mercury(Hg)	NMT 0.5ppm	Conforms	GB 5009.17-2014

Microbiological Control

Total Plate Count	10,000cfu/gMax	Conforms	GB 4789.2-2016
Salmonella	Negative in 25 g	Negative	GB 4789.4-2016
Yeast & Mold	1000cfu/g Max	Conforms	GB 4789.15-2016
Coliforms	≤30cfu/g	Conforms	GB 4789.3-2016
E.Coli	Negative in 10 g	Negative	GB 4789.38-2016
Staphylococcus Aureus	Negative in 25 g	Negative	GB4789.10-2016

Packing and Storage

Packing:	25kg/drum. Packing in paper drum and two plastic-bags inside.
Storage:	Store in cool & dry place without direct sunlight.
Shelf Life:	2 years
Expiration Date:	September 8, 2027