

# BaseBulk

## CERTIFICATE OF ANALYSIS

Product Name	Green Tea Extract
Latin Name	Cameilia sinensis O. Ktze
Part used	Leaves
Extract solvent	Ethanol & Water
Country of Origin	China
Extract ratio	50:1
Batch Number	223-25032802
Manufacture Date	Mar. 28, 2025
Quantity	1000 kg
Expiry Date	Mar. 27, 2028

### Physical & Chemical Characteristics

Analysis Item	Specification	Result	Test Method
Appearance	Brown to brownish yellow powder	Complies	Visual
Odor	Characteristic	Complies	Sensory
Taste	Characteristic	Complies	Sensory
Loss on drying	≤8.0%	3.06%	2g/105°C/5hrs
Ash	≤8.0%	0.43%	2g/600°C/5hrs
Loose density	0.300–0.700 g/mL	0.6091 g/mL	W/V
Tapped density	0.400–0.900 g/mL	0.8797 g/mL	W/V
Particle size	98% pass 80 mesh	Complies	Sieve
Solvent Residue	≤5000 mg/kg	Complies	GC

### Heavy Metals

Analysis Item	Specification	Result	Test Method
Heavy metals	≤10 mg/kg	Complies	Colorimetric
Arsenic (As)	≤2 mg/kg	Complies	AFS
Lead (Pb)	≤2 mg/kg	Complies	AFS
Cadmium (Cd)	≤1 mg/kg	Complies	AFS
Mercury (Hg)	≤0.1 mg/kg	Complies	AFS

### Assay

Analysis Item	Specification	Result	Test Method
Tea polyphenols	≥50.0%	53.81%	UV
EGCG	≥10.0%	15.2%	HPLC
Catechin	≥30.0%	35.3%	HPLC
Caffeine	≤1.0%	0.50%	HPLC

### Microbiological Tests

Analysis Item	Specification	Result	Test Method
Total microbial count	≤1000 CFU/g	<10 CFU/g	GB 4789.2
Yeast & Mold	≤100 CFU/g	<10 CFU/g	GB 4789.15
Coliforms	≤0.92 MPN/g	Negative	GB 4789.3 (MPN)
Salmonella	Negative	Negative	GB 4789.4

### General Information

Item	Details
Packaging	Pack in paper-drums and two food grade poly bags inside. Net weight: 25 kg/drum
Storage	Sealed; kept in a shady & dry place.
Shelf life	Three years when properly stored.