

# BaseBulk

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Garcinia Cambogia Extract (60%)
<b>Botanical Name</b>	Garcinia cambogia
<b>Part Used</b>	Fruit pericarp
<b>Batch No.</b>	GAR250301
<b>Manufacture Date</b>	01/03/2025
<b>Expiry Date</b>	28/02/2030
<b>Solvent</b>	Water
<b>Herb Extract Ratio</b>	5:1
<b>Excipient</b>	None
<b>Standardisation</b>	Hydroxy Citric Acid

### Physical & Chemical Characteristics

Analysis Item	Specification	Result
Description	Off white powder with characteristic odour & chalky taste	Off white powder with characteristic odour & chalky taste
Solubility	Very slightly soluble in water	Very slightly soluble in water
Loss on Drying (% w/w)	≤ 5.0	0.96
Tapped Bulk Density (g/mL)	≥ 0.40	0.41
Particle Size: Material passing through 20#	≥ 95.0	100
Particle Size: Material passing through 40#	≥ 80.0	99.80

### Heavy Metals

Analysis Item	Specification	Result
Lead (Pb)	≤ 3 ppm	0.48 ppm
Arsenic (As)	≤ 1 ppm	0.18 ppm
Cadmium (Cd)	≤ 1 ppm	0.15 ppm
Mercury (Hg)	≤ 0.1 ppm	<0.05 ppm

### Residual Solvents & Pesticides

Analysis Item	Specification	Result
Residual Solvents	EU Directive 2009/32/EC & 2016/1855/EC	Complies
Residual Pesticides	EU Directive 396/2005/EC	Complies

### PAHs

Analysis Item	Specification	Result
PAHs: Benzo(a)pyrene	≤ 10 ppb	Complies
PAHs: Sum of B(a)P, BaA, BbF, Chrysene	≤ 50 ppb	Complies

### Microbiological Analysis

Analysis Item	Specification	Result
Total Plate Count	≤ 5,000 cfu/g	<100 cfu/g
Yeast & Moulds	≤ 100 cfu/g	<10 cfu/g
E. coli (1 g)	Absent	Absent
Salmonella (10 g)	Absent	Absent
Staphylococcus aureus (1 g)	Absent	Absent
Pseudomonas aeruginosa (1 g)	Absent	Absent
Enterobacteriaceae (1 g)	< 100 cfu/g	< 100 cfu/g

### Assay

Analysis Item	Specification	Result
Hydroxycitric Acid by HPLC (on dried basis)	≥ 60.0% w/w	61.17%
Calcium (on dried basis)	≥ 18.0% w/w	18.70%