



Green Coffee Bean Extract – Technical Data Sheet (20% Chlorogenic Acid)

INCI Name	Coffea Arabica Seed Extract
Botanical Source	Coffea arabica L. – Bean
Specification	20% Chlorogenic Acid (HPLC), <3% Caffeine (HPLC)
Physical Form	Fine light brown powder
Smell	Characteristic coffee-like aroma
Solubility in Water	~10–15 g/L at 50 °C with stirring
Solubility in Oil	Practically insoluble
Recommended Solubilization Method	<ul style="list-style-type: none">- Dissolve in warm water (~50 °C)- Stir 5–10 minutes with moderate agitation- Adjust pH to 4–6 for better stability
Cosmetic Functions	Fragrance, skin conditioning
Recommended Use Level	0.5–2% (in water phase)
Preservation/Handling	Store in tightly sealed container, cool, dry and protected from light
Shelf Life	24 months in original unopened packaging
Toxicity Criteria	
NOAEL	1000 mg/kg bw/day (oral, rat, chlorogenic acid)
LD50	>2000 mg/kg bw (oral, rat)
Genotoxicity	No genotoxicity observed in in vitro and in vivo studies