



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

<b>INCI Name</b>	Coffea Arabica Seed Extract
<b>Botanical Source</b>	Coffea arabica L. – Bean
<b>Specification</b>	20% Chlorogenic Acid (HPLC), <3% Caffeine (HPLC)
<b>Physical Form</b>	Fine light brown powder
<b>Smell</b>	Characteristic coffee-like aroma
<b>Solubility in Water</b>	~10–15 g/L at 50 °C with stirring
<b>Solubility in Oil</b>	Practically insoluble
<b>Recommended Solubilization Method</b>	- Dissolve in warm water (~50 °C) - Stir 5–10 minutes with moderate agitation - Adjust pH to 4–6 for better stability
<b>Cosmetic Functions</b>	Fragrance, skin conditioning
<b>Recommended Use Level</b>	0.5–2% (in water phase)
<b>Preservation/Handling</b>	Store in tightly sealed container, cool, dry and protected from light
<b>Shelf Life</b>	24 months in original unopened packaging
<b>Toxicity Criteria</b>	
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