



Ginseng Extract – Technical Data Sheet (20% Ginsenosides)

INCI Name	Panax Ginseng Root Extract
Botanical Source	Panax ginseng C. A. Meyer – Stem & Leaf
Specification	20% Ginsenosides (UV)
Physical Form	Light brown to tan fine powder
Smell	Mild, earthy, slightly sweet aroma
Solubility in Water	~5–10 g/L at 50 °C with stirring
Solubility in Oil	Insoluble
Recommended Solubilization Method	<ul style="list-style-type: none">- Disperse in warm water (~50–60 °C)- Stir for 5–10 minutes using magnetic stirrer or high-shear mixer- Use filtration if needed
Cosmetic Functions	Antioxidant, skin conditioning, revitalizing
Recommended Use Level	0.5–2% (in water phase)
Preservation/Handling	Store in a tightly sealed container, in a dry, cool, and dark place
Shelf Life	24 months in original unopened packaging
Toxicity Criteria	
NOAEL	300 mg/kg bw/day (oral, rat, 13-week study)
LD50	>3000 mg/kg bw (oral, rat)
Genotoxicity	No genotoxic effects observed in standard assays