



Gynostemma Pentaphyllum Extract – Technical Data Sheet (98% Gypenosides)

INCI Name	Gynostemma Pentaphyllum Extract
Botanical Source	Gynostemma pentaphyllum (Thunb.) Makino – Whole herb
Specification	98% Gypenosides (UV)
Physical Form	Fine greenish to light brown powder
Smell	Mild, herbal, slightly sweet odor
Solubility in Water	~5–10 g/L at 50 °C with stirring
Solubility in Oil	Practically insoluble
Recommended Solubilization Method	<ul style="list-style-type: none">- Disperse in warm water (~50 °C)- Stir for 5–10 minutes- Use high-shear mixer if necessary- Filter for clarity
Cosmetic Functions	Antioxidant, skin conditioning, soothing
Recommended Use Level	0.5–2% (in water phase)
Preservation/Handling	Keep in tightly closed container, cool and dry, away from light
Shelf Life	24 months if stored properly in original packaging
Toxicity Criteria	
NOAEL	1000 mg/kg bw/day (oral, rat, 90-day study)
LD50	>5000 mg/kg bw (oral, rat)
Genotoxicity	No genotoxic effects reported in published in vivo and in vitro studies