



Paeonia Lactiflora Extract – Technical Data Sheet (10% Paeoniflorin)

INCI Name	Paeonia Lactiflora Root Extract
Botanical Source	Paeonia lactiflora Pall. – Root
Specification	10% Paeoniflorin (HPLC)
Physical Form	Light brown to yellowish fine powder
Smell	Mild, slightly earthy 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- Filter to remove undissolved particles
Cosmetic Functions	Skin conditioning, soothing, anti-inflammatory
Recommended Use Level	0.5–2% (in water phase)
Preservation/Handling	Store in sealed, dry, cool conditions away from light
Shelf Life	24 months unopened under proper storage
Toxicity Criteria	
NOAEL	500 mg/kg bw/day (oral, rat, paeoniflorin extract)
LD50	>3000 mg/kg bw (oral, rat)
Genotoxicity	No genotoxic effects reported in in vitro and in vivo studies