



Dan-shen Extract – Technical Data Sheet (Salvianolic acid B, HPLC)

INCI Name	Salvia Miltiorrhiza Root Extract
Botanical Source	Salvia miltiorrhiza Bge. – Root
Specification	Salvianolic acid B (HPLC)
Physical Form	Brownish-red fine powder
Smell	Earthy, slightly bitter aroma
Solubility in Water	~5–10 g/L at 45–60 °C with stirring
Solubility in Oil	Insoluble
Recommended Solubilization Method	<ul style="list-style-type: none">- Disperse in warm water (~50 °C)- Stir for 5–10 minutes with gentle agitation- Filter to remove insoluble particles
Cosmetic Functions	Antioxidant, skin conditioning, soothing
Recommended Use Level	0.5–2% (water phase)
Preservation/Handling	Store in a sealed container in a dry, cool, dark place
Shelf Life	24 months in original packaging under proper storage
Toxicity Criteria	
NOAEL	500 mg/kg bw/day (oral, rat, subchronic)
LD50	>5000 mg/kg bw (oral, mouse)
Genotoxicity	No genotoxicity observed in in vivo and in vitro studies