



St. John's Wort Extract – Technical Data Sheet (0.3% Hypericin)

INCI Name	Hypericum Perforatum Extract
Botanical Source	Hypericum perforatum – Leaf and Stem
Specification	0.3% Hypericin (UV)
Physical Form	Brown to reddish-brown fine powder
Smell	Characteristic herbaceous odor
Solubility in Water	~2–5 g/L at 50–60 °C with stirring
Solubility in Oil	Low solubility, can be enhanced in ethanol or emulsions
Recommended Solubilization Method	<ul style="list-style-type: none">- Disperse in warm aqueous ethanol (~50–60 °C)- Stir for 5–10 minutes- Use solubilizer if needed for water-based systems
Cosmetic Functions	Skin conditioning, soothing, antioxidant
Recommended Use Level	0.2–1% (in aqueous or hydroalcoholic phase)
Preservation/Handling	Store in a cool, dry, and dark place in tightly sealed container
Shelf Life	24 months in original unopened packaging under proper storage
Toxicity Criteria	
NOAEL	250 mg/kg bw/day (oral, rat, hypericin-containing extract)
LD50	>3000 mg/kg bw (oral, rat)
Genotoxicity	No genotoxicity observed under standard conditions