



Passion Flower Extract – Technical Data Sheet (2% Flavonoids)

INCI Name	Passiflora Caerulea Flower Extract
Botanical Source	Passiflora caerulea L. – Flower
Specification	2% Flavonoids (UV)
Physical Form	Light brown to yellowish fine powder
Smell	Mild, floral, slightly earthy
Solubility in Water	~3–6 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 (~50–60 °C)- Stir gently for 5–10 minutes- Use filtration if necessary
Cosmetic Functions	Skin conditioning, soothing, calming
Recommended Use Level	0.5–1.5% (in water phase)
Preservation/Handling	Store in a sealed, cool, dry, and dark environment
Shelf Life	24 months if unopened and properly stored
Toxicity Criteria	
NOAEL	300 mg/kg bw/day (oral, rat, flavonoid-rich extract)
LD50	>2000 mg/kg bw (oral, rat)
Genotoxicity	No genotoxic effects observed in standard studies