



Chamomile Extract – Technical Data Sheet (10% Apigenin)

INCI Name	Chamomilla Recutita Flower Extract
Botanical Source	Matricaria recutita L. – Flower
Specification	10% Apigenin (HPLC)
Physical Form	Light yellow to golden powder
Smell	Pleasant, mild floral aroma
Solubility in Water	~2–5 g/L at 45–60 °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 5–10 minutes with moderate agitation- Filter if necessary to remove undissolved particles
Cosmetic Functions	Skin conditioning, soothing, masking
Recommended Use Level	0.5–2% (water phase)
Preservation/Handling	Store tightly closed in a dry, cool location protected from light
Shelf Life	24 months when properly stored in original packaging
Toxicity Criteria	
NOAEL	848 mg/kg bw/day (oral, rat, subchronic study)
LD50	>5000 mg/kg bw (oral, rat)
Genotoxicity	No mutagenic or clastogenic effects observed in animal studies