



Olive Leaf Extract – Technical Data Sheet (40% Oleuropein)

INCI Name	Olea Europaea Leaf Extract
Botanical Source	Olea europaea L. – Leaf
Specification	40% Oleuropein (HPLC)
Physical Form	Light green to yellowish fine powder
Smell	Characteristic herbal, slightly bitter
Solubility in Water	~8–12 g/L at 50–60 °C with stirring
Solubility in Oil	Practically insoluble
Recommended Solubilization Method	<ul style="list-style-type: none">- Disperse in warm deionized water (~50–60 °C)- Stir for 5–10 minutes- Filter if solution is cloudy
Cosmetic Functions	Antioxidant, skin conditioning, astringent
Recommended Use Level	0.5–2% (in water phase)
Preservation/Handling	Keep sealed and store in a cool, dry, and dark place
Shelf Life	24 months in original unopened packaging
Toxicity Criteria	
NOAEL	750 mg/kg bw/day (oral, rat, oleuropein extract)
LD50	>2500 mg/kg bw (oral, rat)
Genotoxicity	No genotoxicity observed in standard toxicological evaluations