



Olive Leaf Extract – Technical Data Sheet (20% Oleuropein)

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| INCI Name | Olea Europaea Leaf Extract |
| Botanical Source | Olea europaea L. – Leaf |
| Specification | 20% 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-rich extract) |
| LD50 | >2500 mg/kg bw (oral, rat) |
| Genotoxicity | No genotoxicity observed in standard toxicological evaluations |