



## Artichoke Leaf Extract – Technical Data Sheet (2.5% Cynarins)

<b>INCI Name</b>	Cynara Scolymus Leaf Extract
<b>Botanical Source</b>	Cynara scolymus L. – Leaf
<b>Specification</b>	2.5% Cynarins (UV)
<b>Physical Form</b>	Light brown fine powder
<b>Smell</b>	Mild, herbaceous, slightly bitter
<b>Solubility in Water</b>	~5–10 g/L at 45–60 °C with stirring
<b>Solubility in Oil</b>	Practically insoluble
<b>Recommended Solubilization Method</b>	<ul style="list-style-type: none"><li>- Disperse in warm deionized water (~50–60 °C)</li><li>- Stir 5–10 minutes with magnetic or high-shear mixer</li><li>- Use filtration if necessary to clarify</li></ul>
<b>Cosmetic Functions</b>	Skin conditioning, antioxidant
<b>Recommended Use Level</b>	0.5–2% (in water phase)
<b>Preservation/Handling</b>	Store tightly closed in a cool, dry place away from light
<b>Shelf Life</b>	24 months if unopened and properly stored
<b>Toxicity Criteria</b>	
NOAEL	No adverse effects at 1000 mg/kg bw/day (oral, rat, aqueous extract)
LD50	>5000 mg/kg bw (oral, rat, leaf extract)
Genotoxicity	No mutagenic activity observed in in vivo studies