



## Reishi Extract – Technical Data Sheet (40% Polysaccharides)

<b>INCI Name</b>	Ganoderma Lucidum Extract
<b>Botanical Source</b>	Ganoderma lucidum (Leyss. ex Fr.) Karst.
<b>Specification</b>	40% Polysaccharides (UV)
<b>Physical Form</b>	Brown to dark brown fine powder
<b>Smell</b>	Characteristic earthy and slightly bitter odor
<b>Solubility in Water</b>	~10–15 g/L at 50–60 °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 water (~50–60 °C)</li><li>- Stir for 5–10 minutes</li><li>- Filter to clarify if necessary</li></ul>
<b>Cosmetic Functions</b>	Skin conditioning, soothing, antioxidant
<b>Recommended Use Level</b>	0.5–2% (in water phase)
<b>Preservation/Handling</b>	Store tightly sealed in a dry, cool, dark place
<b>Shelf Life</b>	24 months if stored properly in unopened packaging
<b>Toxicity Criteria</b>	
NOAEL	800 mg/kg bw/day (oral, rat, polysaccharide-rich extract)
LD50	>5000 mg/kg bw (oral, rat)
Genotoxicity	No genotoxic effects observed in standard toxicological evaluations