



## Polyporus Extract – Technical Data Sheet (30% Polysaccharides)

<b>INCI Name</b>	Polyporus Umbellatus Extract
<b>Botanical Source</b>	Polyporus umbellatus L. – Fruiting body
<b>Specification</b>	30% Polysaccharides (UV)
<b>Physical Form</b>	Light brown to tan powder
<b>Smell</b>	Neutral to slightly earthy odor
<b>Solubility in Water</b>	~8–12 g/L at 50 °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 for clarity if needed</li></ul>
<b>Cosmetic Functions</b>	Skin conditioning, soothing, moisturizing
<b>Recommended Use Level</b>	0.5–2% (in water phase)
<b>Preservation/Handling</b>	Store tightly sealed in cool, dry, dark place
<b>Shelf Life</b>	24 months if unopened and stored properly
<b>Toxicity Criteria</b>	
NOAEL	1000 mg/kg bw/day (oral, rat, polysaccharide-rich extract)
LD50	>5000 mg/kg bw (oral, rat)
Genotoxicity	No mutagenicity observed in standard toxicological assays