



Maitake Extract – Technical Data Sheet (30% Polysaccharides)

INCI Name	Grifola Frondosa Extract
Botanical Source	Grifola frondosa L. – Fruiting body
Specification	30% Polysaccharides (UV)
Physical Form	Light brown to tan fine powder
Smell	Mild, mushroom-like aroma
Solubility in Water	~10–15 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 water (~50–60 °C)- Stir continuously for 5–10 minutes- Filter to remove undissolved particles if necessary
Cosmetic Functions	Skin conditioning, soothing, moisturizing
Recommended Use Level	0.5–2% (in water phase)
Preservation/Handling	Store in a sealed, dry, and cool container protected from light
Shelf Life	24 months under recommended storage conditions
Toxicity Criteria	
NOAEL	1000 mg/kg bw/day (oral, rat, polysaccharide-rich extract)
LD50	>5000 mg/kg bw (oral, mouse)
Genotoxicity	No genotoxicity observed in standard in vitro/in vivo studies