



Shiitake Mushroom Extract – Technical Data Sheet (40% Polysaccharides)

INCI Name	Lentinus Edodes Extract
Botanical Source	Lentinus edodes (Berk.) Sing
Specification	40% Polysaccharides (UV)
Physical Form	Light brown to brown powder
Smell	Characteristic mushroom-like, earthy odor
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 for 5–10 minutes- Filter if necessary to remove particulate matter
Cosmetic Functions	Skin conditioning, soothing, antioxidant
Recommended Use Level	0.5–2% (in water phase)
Preservation/Handling	Store in a cool, dry, dark place in tightly sealed packaging
Shelf Life	24 months if properly stored and unopened
Toxicity Criteria	
NOAEL	1000 mg/kg bw/day (oral, rat, polysaccharide-rich extract)
LD50	>5000 mg/kg bw (oral, mouse)
Genotoxicity	No genotoxic effects observed in standard toxicological evaluations