



## Wolfberry Extract – Technical Data Sheet (50% Polysaccharides)

<b>INCI Name</b>	Lycium Barbarum Fruit Extract
<b>Botanical Source</b>	Lycium barbarum L. – Fruit
<b>Specification</b>	50% Polysaccharides (UV)
<b>Physical Form</b>	Yellow to orange-brown fine powder
<b>Smell</b>	Mild, sweet and characteristic goji aroma
<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 remove insoluble matter if needed</li></ul>
<b>Cosmetic Functions</b>	Antioxidant, skin conditioning, moisturizing
<b>Recommended Use Level</b>	0.5–2% (in water phase)
<b>Preservation/Handling</b>	Store sealed in a cool, dry, and dark place
<b>Shelf Life</b>	24 months in original unopened packaging
<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 or genotoxicity observed in standard toxicity studies