



Willow Bark Extract – Technical Data Sheet (25% Salicin)

INCI Name	Salix Alba Bark Extract
Botanical Source	Salix spp. – Bark
Specification	25% Salicin
Physical Form	Light brown to brown fine powder
Smell	Mild, woody and slightly bitter odor
Solubility in Water	~10–20 g/L at 50 °C with stirring
Solubility in Oil	Practically insoluble
Recommended Solubilization Method	- Disperse in warm water (~50–60 °C) - Stir thoroughly for 5–10 minutes - Filter if required for clear solution
Cosmetic Functions	Astringent, exfoliating, skin conditioning
Recommended Use Level	0.5–2% (in water phase)
Preservation/Handling	Store tightly closed in cool, dry, and dark conditions
Shelf Life	24 months unopened and properly stored
Toxicity Criteria	
NOAEL	250 mg/kg bw/day (oral, rat, salicin-containing extract)
LD50	>2000 mg/kg bw (oral, rat)
Genotoxicity	No genotoxicity observed in standard assays