



Bamboo Leaf Extract – Technical Data Sheet (75% Silica)

INCI Name	Bambusa Arundinacea Leaf Extract
Botanical Source	Bambusoideae – Leaf
Specification	75% Silica
Physical Form	Light beige to off-white powder
Smell	Neutral to mild earthy odor
Solubility in Water	Insoluble (dispersible in water with agitation)
Solubility in Oil	Insoluble
Recommended Solubilization Method	<ul style="list-style-type: none">- Disperse into water using high-shear mixing- Combine with a dispersing agent (e.g., glycerin) if needed- Use as a suspension rather than solution
Cosmetic Functions	Abrasive, opacifying, skin conditioning
Recommended Use Level	1–5% (suspended in water phase)
Preservation/Handling	Keep sealed in a cool, dry place away from moisture
Shelf Life	24 months in original unopened packaging
Toxicity Criteria	
NOAEL	Not established; no adverse effects at high doses in animal models
LD50	>20,000 mg/kg bw (oral, mouse, silica-rich extract)
Genotoxicity	No genotoxic effects reported