



Scutellaria Baicalensis Extract – Technical Data Sheet (85% Baicalin)

INCI Name	Scutellaria Baicalensis Root Extract
Botanical Source	Scutellaria baicalensis Georgi – Root
Specification	85% Baicalin
Physical Form	Yellow to light brown fine powder
Smell	Characteristic mild herbal odor
Solubility in Water	~10–15 g/L at 50 °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 gently for 5–10 minutes- Filter to remove insoluble matter if needed
Cosmetic Functions	Antioxidant, skin conditioning, soothing
Recommended Use Level	0.5–2% (in water phase)
Preservation/Handling	Store sealed in a dry, cool, and dark place
Shelf Life	24 months unopened under appropriate storage conditions
Toxicity Criteria	
NOAEL	500 mg/kg bw/day (oral, rat, baicalin extract)
LD50	>2000 mg/kg bw (oral, rat)
Genotoxicity	No genotoxicity observed in standard toxicological studies