



Bilberry Extract – Technical Data Sheet (25% Anthocyanidins)

INCI Name	Vaccinium Myrtillus Fruit Extract
Botanical Source	Vaccinium myrtillus L. – Fruit
Specification	25% Anthocyanidins (UV)
Physical Form	Dark purple fine powder
Smell	Fruity, characteristic berry aroma
Solubility in Water	~10–20 g/L at 45–60 °C with stirring
Solubility in Oil	Insoluble
Recommended Solubilization Method	<ul style="list-style-type: none">- Dissolve in warm water (~50–60 °C)- Stir gently for 5–10 minutes- Maintain pH between 3–5 to preserve color and stability
Cosmetic Functions	Antioxidant, skin conditioning, astringent
Recommended Use Level	0.5–2% (water phase)
Preservation/Handling	Store in a tightly sealed container in a cool, dry place, protected from light
Shelf Life	24 months (if unopened and stored under proper conditions)
Toxicity Criteria	
NOAEL	1200 mg/kg bw/day (oral, rat, anthocyanin-rich extract)
LD50	>2000 mg/kg bw (oral, rat)
Genotoxicity	No genotoxicity observed in in vitro or in vivo models