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TECHNICAL DATA SHEET

Bilberry Extract

Catalog No.: NST-8-21

Extract Profile

Botanical source	*Vaccinium Myrtillus L.*
Part used	Fruit
Standardization	Anthocyanidins ≥25.0%
Extraction solvent(s)	Water and ethanol
Extract ratio / DER	150:1
Composition	90-100% Bilberry Extract; 0-10% Maltodextrin
Carrier / excipient	Maltodextrin (0-10%)

Applications

Suitable for cosmetic formulations and food supplement applications.

Solubility & Dispersibility

Water	Partially soluble
Oil	Insoluble

Cosmetic Formulation Guide

Recommended use level	0.1-1.0%

Food Supplement Application Guide

Suitable dosage forms	Hard capsules (vegetarian or gelatin); tablets; powders and sachets
Typical recommended use level	160-480 mg/day

FORMULATION & STABILITY GUIDANCE
Highly sensitive to pH. Most stable in strongly to mildly acidic environments (pH 3.0-5.0), where anthocyanins maintain their vibrant color and structure. Neutral to alkaline pH causes structural degradation and irreversible color shifts (browning or blue-green discoloration).
Sensitive to light, oxygen, heat above 50 °C and transition metal ions such as iron and copper.

Product quality specifications, analytical methods, storage conditions and shelf life are provided in the current Quality Specification (QS) for this catalog item.

Regulatory Disclaimer

The recommended use levels provided in this Technical Data Sheet are intended for general technical guidance only and do not constitute regulatory approval or legal advice. Applicable requirements, restrictions, and permitted use levels may vary depending on the product category and country of sale. It is the responsibility of the manufacturer or formulator of the finished product to verify compliance with all applicable national and regional regulations in the intended market.