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TECHNICAL DATA SHEET

Cranberry Extract

Catalog No.: NST-8-20

Extract Profile

Botanical source	*Vaccinium Macrocarpon L.*
Part used	Fruit
Standardization	Proanthocyanidins ≥60.0%
Extraction solvent(s)	Water and ethanol
Extract ratio / DER	100:1
Composition	90-100% Cranberry Extract; 0-10% Maltodextrin
Carrier / excipient	Maltodextrin (0-10%)

Applications

Suitable for cosmetic formulations and food supplement applications.

Solubility & Dispersibility

Water	Water dispersible; high-molecular-weight proanthocyanidins may have limited solubility
Oil	Insoluble

Cosmetic Formulation Guide

Recommended use level	0.5-2.0% (facial care); 1.0-3.0% (brightening creams); 0.3-1.0% (scalp and rinse-off products)

Food Supplement Application Guide

Suitable dosage forms	Capsules; tablets; powder sachets
Typical recommended use level	200-500 mg/day

FORMULATION & STABILITY GUIDANCE
Most stable under acidic conditions (pH 3.0-5.5). Proanthocyanidins may degrade rapidly at neutral to alkaline pH due to oxidative cleavage and structural rearrangement.
Highly sensitive to oxidation by light, oxygen and transition metal ions such as iron and copper, which may cause discoloration and loss of activity. Avoid prolonged exposure to temperatures above 60 °C, especially in aqueous solutions.

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.