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TECHNICAL DATA SHEET

Citrus Aurantium Extract

Catalog No.: NST-8-30

Extract Profile

Botanical source	*Citrus aurantium L.*
Part used	Dried fruit
Standardization	Hesperidin ≥90.0%
Extraction solvent(s)	Water and ethanol
Extract ratio / DER	Not specified
Composition	100% Citrus Aurantium Extract
Carrier / excipient	None

Applications

Suitable for cosmetic formulations and food supplement applications.

Solubility & Dispersibility

Water	Poorly soluble
Oil	Insoluble

Cosmetic Formulation Guide

Recommended use level	0.3-1.5% (toners); up to 2.0% (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	300-600 mg hesperidin/day

FORMULATION & STABILITY GUIDANCE
Most stable under acidic to neutral conditions (pH 3.0-6.5). Alkaline conditions above pH 7.0 may cause degradation of hesperidin and other flavonoid glycosides.
Moderately sensitive to light. Complexation with metal ions such as iron, copper and aluminium may lead to color changes and precipitation. Good thermal stability in dry powder form; avoid prolonged heating above 100 °C 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.