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TECHNICAL DATA SHEET

Green Tea Extract

Catalog No.: NST-8-16

Extract Profile

Botanical source	*Camellia sinensis*
Part used	Leaf
Standardization	Polyphenols ≥98.0%; EGCG ≥45.0%
Extraction solvent(s)	Water, ethanol and ethyl acetate
Extract ratio / DER	50:1
Composition	100% Green Tea Extract
Carrier / excipient	None

Applications

Suitable for cosmetic formulations and food supplement applications.

Solubility & Dispersibility

Water	Soluble
Oil	Insoluble

Cosmetic Formulation Guide

Recommended use level	0.1-1.0%

Food Supplement Application Guide

Suitable dosage forms	Capsules; tablets; powders and sachets
Typical recommended use level	250-500 mg/day

FORMULATION & STABILITY GUIDANCE
Most stable under acidic to neutral conditions (pH 4.0-6.5). Higher pH may accelerate oxidation and color change, including browning.
Sensitive to light, oxygen and high temperatures. Antioxidants such as vitamin C or citric acid may be added, and airtight, opaque packaging is recommended. Incorporate into the water phase below 40-50 °C to reduce thermal degradation.

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.