

FUNCTIONAL INGREDIENT · FROM JAPAN

Phycocyanin Powder

A clinically studied protein-pigment complex extracted from sustainably cultivated spirulina. Standardized dual-fraction composition with a Japanese government-accepted skin-hydration claim.

≥20%
C-Phycocyanin
ACTIVE FRACTION

≥7%
Allophycocyanin
ACTIVE FRACTION

410 mg
Daily clinical dose
VALIDATED IN RCT

45+
Years of expertise
CLOSED CULTIVATION

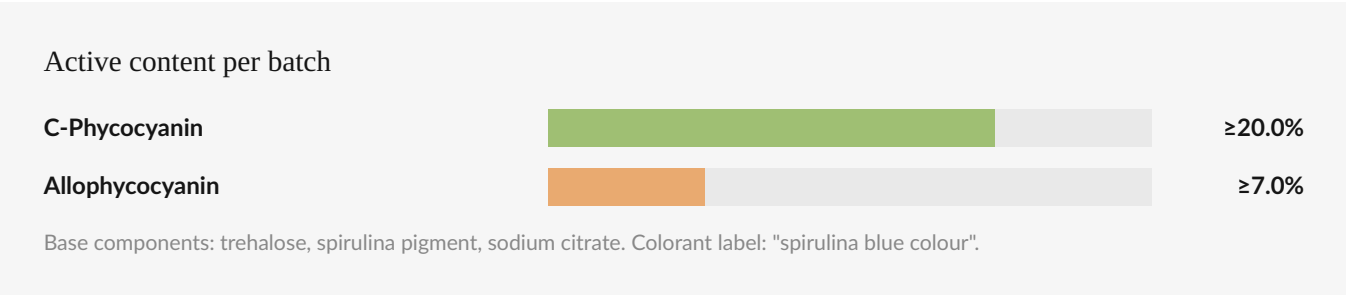
01 · WHAT IS IT

A protein-pigment complex from Japanese spirulina

Phycocyanin Powder contains two active protein-pigment fractions - C-Phycocyanin and Allophycocyanin - in a standardized ratio. Each fraction binds an open-chain tetrapyrrole chromophore (phycocyanobilin), which is responsible for the ingredient's antioxidant and anti-inflammatory activity. Registered in Japan as an approved raw material for Foods with Function Claims, with an authorized claim supporting skin barrier function and hydration.

02 · COMPOSITION

Standardized dual-fraction profile



03 · UNIQUENESS

Why this ingredient stands out

<p>FUNCTION CLAIMS READY</p> <p>Approved raw material for Foods with Function Claims in Japan with an authorized skin-hydration claim.</p>	<p>DUAL-FRACTION</p> <p>Both C-Phycocyanin and Allophycocyanin in a single standardized powder, not a single-fraction commodity.</p>	<p>PATENTED</p> <p>Protected extraction method (JP Patent 4677250) and skin-beauty food application (JP Patent 6784947).</p>
<p>CLINICALLY PROVEN</p> <p>Randomized, double-blind, placebo-controlled study in 96 women confirms efficacy at 410 mg/day.</p>	<p>FULL CERTIFICATION</p> <p>HALAL, KOSHER, FSSC22000, ISO9001 and HACCP across the entire manufacturing process.</p>	<p>PROVEN SAFETY</p> <p>Acute toxicity LD50 > 30,000 mg/kg. 12-month chronic toxicity study: no findings, no carcinogenicity.</p>

04 · APPLICATIONS

Where to formulate

<p>DIETARY SUPPLEMENTS</p> <p>Tablets and capsules for skin beauty, hydration and anti-aging support.</p>	<p>FUNCTIONAL FOODS</p> <p>Foods with Function Claims in Japan; beauty-oriented nutraceuticals.</p>	<p>BEAUTY DRINKS</p> <p>Beauty-from-within drink shots and sachets for skin health positioning.</p>
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05 · SCIENTIFIC DATA

Clinical results in healthy adult women

Randomized, double-blind, placebo-controlled study · 96 women (20-65 y.o.) · Daily dose 410 mg (300 mg C-Phycocyanin + 110 mg Allophycocyanin) · Source: Y. Imai et al., Jpn Pharmacol Ther 2019; 47(11): 1833-40.

PARAMETER	RESULT	SIGNIFICANCE
Skin barrier function (TEWL)	Reduction after 8 weeks	P < 0.05
Skin hydration sensation (VAS)	+10 points vs placebo, 8 weeks	Significant
Skin firmness (VAS)	+10 points, 4 weeks	P < 0.01
Skin radiance (VAS)	+15 points, 4 weeks	Significant
Maximum wrinkle depth (replica)	Reduction after 8 weeks	P < 0.05
Acute toxicity (mice)	LD50 > 30,000 mg/kg	No adverse effects

VAS - visual analogue scale. Subjects selected with baseline TEWL ≥ 10 g/m²/h.

06 · QUALITY & CERTIFICATIONS

Certified throughout the supply chain

HALAL	KOSHER	FSSC 22000	ISO 9001	HACCP
FOODS WITH FUNCTION CLAIMS (JAPAN)				

07 · SUPPLY TERMS

Packaging, shelf life & ordering

FORM	PACKAGING	SHELF LIFE	TERMS
Fine powder	5 kg pouch / carton	36 months	EXW, DAP

Store in a cool, dry place away from direct sunlight and humidity. MOQ, lead time and full documentation package (CoA, specification, allergen statement) available on request. Incoterms 2020.