



TECHNICAL DATA SHEET • PHYCORA

● AVAILABLE

Phycora

C-phycocyanin E40, from Spirulina platensis.

SOURCE ORGANISM Arthrospira platensis <i>(Spirulina platensis)</i>	PART USED • PROCESS Whole-cell biomass Aqueous extraction, freeze-dried	STANDARDIZATION C-phycocyanin ≥ 60% Daily serving 100–500 mg
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SPECIFICATION

01

PARAMETER	SPEC	METHOD	PARAMETER	SPEC	METHOD
PHYSICAL & COMPOSITIONAL			HEAVY METALS • ICP-MS USP <232/233>		
Appearance	Bright blue powder	Sensory	Lead	0.50 mg/kg max	ICP-MS
Carrier	None	–	Arsenic	0.50 mg/kg max	ICP-MS
Solubility	100% water sol.	Visual	Cadmium	0.50 mg/kg max	ICP-MS
Loss on drying	5.0% max	USP <731>	Mercury	0.025 mg/kg max	ICP-MS
Bulk density	0.300 g/mL min	USP <616>	Pesticide residue	Per USP <561>	USP <561>
Total ash	10.0% max	ASTA 3.0	MICROBIOLOGY		
ACTIVE CONTENT			Total plate count	1,000 cfu/g max	USP <2021>
Color value (618 nm)	400 min	UV-Spec	Yeast & mould	100 cfu/g max	USP <2021>
Total phycocyanin	75% min	Spectro.	Salmonella	Absent / 25 g	USP <2022>
Pure C-phycocyanin	60% min	Spectro.	E. coli	Absent	USP <2022>
STORAGE			Enterobacteriaceae	Absent / 10 g	ISO 21528-2
20–25 °C, sealed, away from light & oxygen			S. aureus	Absent	USP <2022>
SHELF LIFE			PACKAGING		
24 months			Al-lined HDP / steel drum • 1, 5, 25 kg		

STABILITY

02

PH WINDOW

Optimal pH 5.5–7.5 in solution. Avoid below pH 4.5 in liquid systems without encapsulation.

THERMAL

Stable up to 60 °C in aqueous solution. Significant degradation above 75 °C.

DOSAGE-FORM NOTE In dry tablet and capsule matrices, stable across the full claimed shelf life. In RTD beverages at pH 6.5–7.0, target finished-product shelf life of 9–12 months at 25 °C in opaque packaging.

REGULATORY STATUS BY MARKET

03

MARKET	STATUS	BASIS
United States	Conventional food & supplement ingredient	Spirulina extract • S-F claims
European Union	Existing food • no Novel Food needed	Art. 13.1 constituents
India	Permitted • color & supplement	FSSAI
Brazil	Permitted • spirulina extract	ANVISA
Japan	FFC-eligible with clinical dossier	Food with Function Claims

AUTHORIZED HEALTH CLAIMS

ALLERGENS & GMO

US • S-F	"Supports antioxidant defense." "Helps maintain a healthy inflammatory response."
EU • 13.1	Spirulina antioxidant-constituent register entries.
CANADA	Antioxidant support; NHP license eligible.

Soy NONE	Gluten NONE	Dairy NONE
Egg NONE	Fish NONE	Shellfish NONE
Tree nut NONE	Peanut NONE	Sesame NONE

GMO STATUS

GMO-free • EU 1169/2011 allergen compliant

NOT CLAIMED WITHOUT DATA Disease prevention or treatment; cognition claims specific to phycocyanin vs. whole biomass.

GRADE GUARANTEE

Every lot is supplied at E40 grade: C-phycocyanin ≥ 60%, carrier-free, with a full Certificate of Analysis.

CONTACT

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