



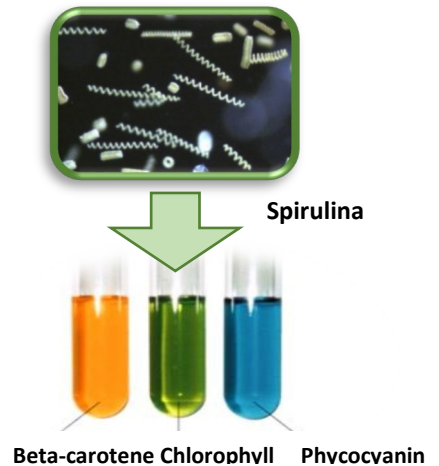
# Research Update Information

2024 Volume 2

## Clinical findings on Skin Health Regarding Phycocyanin, the Natural Blue Pigment from Spirulina, and its Possible Mechanisms of Action\*

### What is Linablue®, Phycocyanin?

Linablue® is a natural blue colorant, which contains phycocyanin and is manufactured by Earthrise Nutritionals in Southern California, USA. Linablue® is produced through the extraction process from spirulina under the controlled facility with current Good Manufacturing Practice (cGMP), International Organization for Standardization (ISO 9001), and Food Safety System (FSSC 22000). Linablue® is non-GMO, Kosher and Halal certified. Phycocyanin is one of the main compounds in spirulina, and a variety of research regarding its chemistry and health benefits, e.g. immune, cardiovascular and antioxidant properties have been reported around the world. There are more than more than 2,500 publications according to the Public Medine (NIH database) search as of February, 2024.



**CLINICAL STUDY SUMMARY**

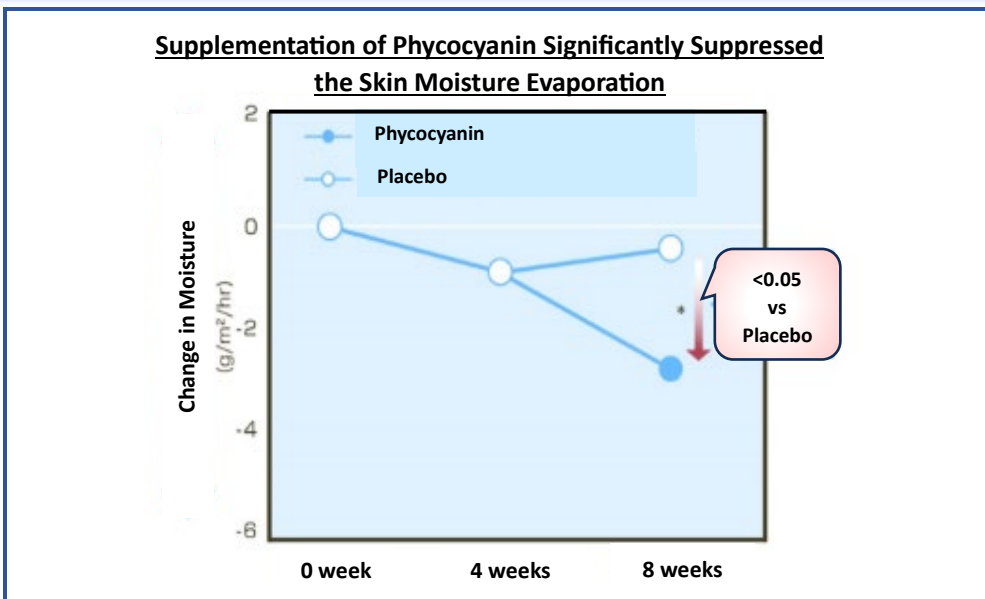
[Clinical study design] Randomized Double-blind Placebo-controlled

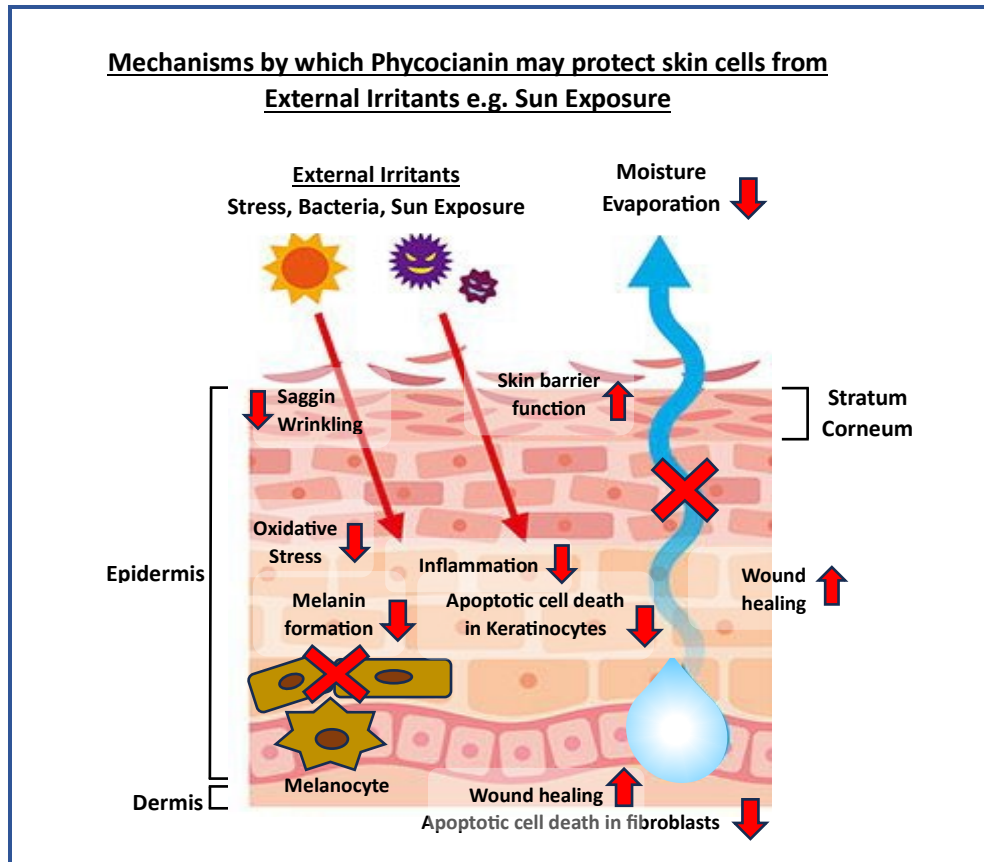
[Subjects] Healthy female: aged between 20 to 65 (n=96).

[Dosage] Phycocyanin 410 mg, including C-phycocyanin: 300 mg and allo-phycocyanin: 110 mg

[Duration] 8 wks

[Outcome] 1) Transepidermal water loss (TEWL) levels at 8 wks ↓ (P < 0.05).  
 2) VAS scores: skin elasticity and skin gloss at 4 and 8 wks and skin moisture at 8 wks ↑ (P < 0.05)





#### Reference

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\* These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure or prevent any disease.

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