

BGG Announces Results of a Human Clinical Study on a Synergistic Formula for Cognitive Health Containing TheraPrimE® Tocotrienols and AstaZine® Natural Astaxanthin

Irvine, California, September 15, 2020 – [BGG World](#) (BGG) announces that a new clinical trial¹ was successfully completed and published on a synergistic combination of TheraPrimE® Palm Tocotrienols and AstaZine® Natural Astaxanthin showing cognitive improvements in subjects with age-related memory decline. The randomized, double-blind, placebo-controlled study was done on 44 subjects over 12 weeks using a combination of 50mg of TheraPrimE® Palm Tocotrienols and 9mg of AstaZine® Natural Astaxanthin. Statistically significant results versus placebo were found using the Cognitrix cognitive test to measure composite memory domain as well as by subjective user evaluation.

Lead author Takahiro Sekikawa, PhD, commented, *“We previously demonstrated that AstaZine® Natural Astaxanthin alone was able to markedly ameliorate how well subjects can recognize, remember, and retrieve words and geometric figures.² In this study we decided to add 50mg of tocotrienols to the same dosage of Astaxanthin previously tested and we were able to show a statistically significant amelioration versus the placebo group on Cognitrix in addition to improvement in all subjective symptoms measured. Previous research has established synergistic antioxidant performance of a Tocotrienol + Astaxanthin blend, and it would be of great interest to investigate in future studies if this outcome is due to an ameliorated absorption of Astaxanthin or perhaps to increased antioxidant activity due to the addition of tocotrienols.”*

1. Sekikawa, T., Kizawa, Y., Li, Y., Takara, T. “Cognitive function improvement with astaxanthin and tocotrienol intake: a randomized, double-blind, placebo-controlled study.” *Journal of Clinical Biochemistry and Nutrition* 19 June 2020 1-10.
2. Sekikawa, T., Kizawa, Y., Li, Y., Takara, T. “Cognitive Function Improvement with Astaxanthin Intake: A Randomized, Double-Blind, Placebo-Controlled Study.” *Pharmacometrics* 97 (1/2) 1-13 (2019).

About BGG

BGG is a global B2B supplier of ingredients sourced from nature that improve consumer wellness. Building on 25 years of innovative leadership, BGG provides consumer product makers with efficacious ingredients of outstanding quality. This is achieved by specialized sourcing, cultivation and production in the best global regions. BGG’s extensive portfolio originates from algae, fruits and plants. BGG is ISO9001, ISO22000 and GMP certified.

About AstaZine®:

[AstaZine®](#) is Natural Astaxanthin, a naturally occurring carotenoid extracted from *Haematococcus pluvialis*. Research has shown ten distinct health benefits in over 100 clinical trials for Astaxanthin.

About Theraprime® Tocotrienol:

Vitamin E occurs naturally in eight different forms: four tocopherols and four tocotrienols, with tocotrienols differing from their corresponding tocopherols in that the saturated phytyl side chain is replaced with an unsaturated isoprenoid side chain. These molecules have proven to contribute to the protection of cells from oxidative stress as well as many potential health benefits which have been demonstrated in over 600 medical research studies!

BGG provides tocotrienols/tocopherols mixtures, marketed under the trademark Theraprime® at different concentrations in both oily and powder form extracting it from palm, rice bran or annatto.

Further Information on BGG: www.bggworld.com

Press Contact: Christian Artaria, CEO BGG Europe and Global CMO:
christian.artaria@bggworld.com