

Whole-Body SOLUTIONS



As today's consumers look for the opportunity to live healthier lives, their awareness of the link between nutrition and health is growing. They are looking for support in a variety of areas, as well as simple ways to prioritize their health needs in everyday life.¹ **Supplements answer this need effectively and efficiently.**



Cognition

Cognitive performance is top of mind for consumers

WITH **47%** ACTIVELY MANAGING MENTAL FOCUS WITH DIETARY SUPPLEMENTS.²

Preclinical research suggests certain **polyphenols are capable of helping improve cognitive performance** by:³

- Reducing oxidative stress
- Increasing neurotransmitter levels
- Promoting new neuronal growth
- Protecting neurons in the brain



Weight Management

Weight management is a growing concern that impacts consumers' health and wellness around the world,⁴ and

60+% SEEK WEIGHT MANAGEMENT BENEFITS FROM FOODS.⁵

Studies have shown **satiety-promoting foods that prolong digestion and reduce appetite may facilitate weight loss by helping to reduce energy intake.**⁶

Brain/Skin/Eye Health

Consumers' view of personal health management is evolving, self-care is gaining importance, and

47% ARE LOOKING FOR WAYS TO IMPROVE THEIR HEALTH.¹

Supplements for brain, skin and eye health answer a variety of their concerns.

Immunity

Consumers recognize the importance of a strong immune system to their overall health and wellness, as well as to maintaining an active, healthy lifestyle.⁷⁻¹⁰

Now more than ever, consumers of all ages are seeking **SAFE, EFFECTIVE IMMUNE SYSTEM SUPPORT** through **NATURAL, SCIENCE-BASED FUNCTIONAL** ingredients.⁷⁻¹⁰

Sleep

Sleep is essential to body and mind functions, yet

55% OF CONSUMERS WERE UNHAPPY WITH THE DAILY AMOUNT OF SLEEP AND

AROUND 50% WITH THE QUALITY OF THEIR DAILY SLEEP.¹¹

Consumers want help, but they prefer solutions that are natural and don't leave them feeling sluggish the next day. **Polyphenols can promote sleep.**¹²

Kemin Human Nutrition and Health provides a variety of science-based solutions:



Neumentix™ is a naturally sourced nootropic ingredient grown from patented spearmint lines bred to be high in antioxidant polyphenols and formulated to **support cognitive performance—specifically focus and working memory—without disrupting nighttime sleep.**¹³



Safe and natural Slendesta® is a **clinically studied satiety ingredient that helps people feel full sooner and longer, to successfully manage cravings and achieve their weight management goals**¹⁴—by enhancing the body's natural release of cholecystokinin (CCK), a gastrointestinal hormone which sends the signal to the brain that the stomach is full.¹⁴



An extract from marigold flowers, **FloraGLO® Lutein is one of the safest, most trusted lutein brands, with over 25 years of research.** Lutein is an important nutrient for **brain function throughout all stages of life.**¹⁵

It is also **scientifically proven** to be a valuable antioxidant ingredient in **maintaining the healthy appearance of the skin**¹⁶ and in **ameliorating visual performance**¹⁷ under high energy bright light exposure.

FloraGLO® Lutein and OPTISHARP™/ZeaONE® Natural Zeaxanthin are **clinically proven ingredients to significantly enhance the quality of vision and visual performance.**¹⁸



BetaVia™ Complete is a **nutrient-rich immune enhancer, a safe and natural algae fermentate that provides support for overall health and wellness**, with the triple protection of:

- Priming innate immune cells¹⁹
- Fueling the growth of beneficial or "good bacteria"²⁰
- Supporting the health of intestinal cells, which are important for maintaining GI tract integrity²¹

BetaVia™ Pure is a 95% pure algae-sourced beta 1,3 glucan.



DailyZZ™ is a natural, proprietary spearmint and green tea botanical aqueous extract blend rich in **naturally occurring polyphenols, that promotes healthy sleep for a better next day.**

At Kemin Human Nutrition and Health, we deliver peace of mind by providing high-quality, science-backed, plant-based nutritional supplement solutions. We're scientists to the core, and we stand behind our brand and the product solutions they deliver, to enhance your brand's reputation with consumers. A global company, we deliver botanically based solutions from field to final product, to your locale.

FIND OUT MORE



NATURE + SCIENCE POWERING NUTRITION

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SOURCES

- ¹ Health Management Trends: US, January 2021, Mintel.
- ² <https://www.nutraingredients-usa.com/Events/Healthy-Aging-Market>, NutraIngredients Healthy Aging Market Overview, May 2019.
- ³ Kemin Technical literature, KH TL-017-158, The Science Behind Neumentix.
- ⁴ Mintel, Weight Management Trends, US, February 2020.
- ⁵ Allied Market Research, Weight Loss and Weight Management Diet Market, Weight Loss and Weight Management Diet Market by Product Type (Better-for-you, Meal Replacement, Weight Loss Supplement, Green Tea, and Low-calorie Sweeteners) and Sales Channel (Hypermarket/Supermarket, Specialty Stores, Pharmacies, Online Channels, and Others): Global Opportunity Analysis and Industry Forecast, 2021-2027.
- ⁶ <https://nutrition.org/food-attributes-why-some-foods-may-be-better-than-others-for-satisfying-hunger/>
- ⁷ <https://www.nutraingredients-usa.com/News/PromotionalFeatures/Global-Survey-Shows-Immune-Support-is-Top-Health-Goal>.
- ⁸ <https://www.crnusa.org/2019survey/Topline-Infographic#more>.
- ⁹ http://digitaledition.qwinc.com/display_article.php?id=1803815&_width=
- ¹⁰ Blendon, R.J., et al. JAMA internal medicine 173.1 (2013): 74-76.
- ¹¹ FMCG GURUS: Insights & Opportunities - Global Stress and Sleep Management 2020.
- ¹² Cho, Suengmok & Shimizu, Makoto. (2015). Natural Sleep Aids and Polyphenols as Treatments for Insomnia. 10.1016/B978-0-12-411462-3.00015-1.
- ¹³ Falcone et al. 2019. Nutr Res, 64:24-38; Falcone et al. 2018. J Int Soc Sports Nutr. 15(1):58.
- ¹⁴ Dana, S. et al. Slendesta potato extract promotes satiety in healthy human subjects: Iowa State University (ISU) study. Kemin Health Technical Literature KH TL-017-050, 2006.
- ¹⁵ Vishwanathan R. et al Nutr Neurosci. 2013 Jan;16(1):21-9.
- ¹⁶ Gruszecki WI. Carotenoids in Health and Disease. New York: Marcel Dekker, Inc. 151-163, 2004.
Gruszecki et al (1999). The Photochemistry of Carotenoids, Chapter 20, 363-379 and Sies H and Stahl W. (2003). Non-Nutritive Bioactive Constituents of Plants: Lycopene, Lutein and Zeaxanthin. Int J Vitam Nutr Res. 73 (2), 95-100.
- ¹⁷ Stringham JM, and BR Hammond. Macular pigment and visual performance under glare conditions. Optometry and Vision Science 85: 82-88, 2008.
- ¹⁸ Hammond, B. R., Fletcher, L. M., Roos, F., et al. (2014) A double-blind, placebo-controlled study on the effects of lutein and zeaxanthin on photostress recovery, glare disability, and chromatic contrast. Invest Ophthalmol Vis Sci. 55, 8583-8589.
- ¹⁹ Loughman, J., Nolan, J. M., Howard, A. N., et al. (2012) The impact of macular pigment augmentation on visual performance using different carotenoid formulations. Invest Ophthalmol Vis Sci 53, 7871-7880.
- ²⁰ Kemin Technical literature, KH TL-017-150, BetaVia Complete Can Prime Key Cells in the Innate Immune System.
- ²¹ Kemin Technical literature, KH TL-017-149, Characteristics and Prebiotic-like Properties of BetaVia Complete.
- ²² Kemin Technical Literature, KH TL-017-159, BetaVia Complete Supports a Healthy Digestive Tract by Protecting Intestinal Barrier Function After Induced Colitis in Mice.