

Klamin[®] DROPS

RAPIDLY PROMOTES BETTER MOOD, LESS STRESS AND MORE MENTAL ENERGY



NUTRIGEA[®]
your health at 360°

KLAMIN® is a patented extract that concentrates some of the most essential nutraceutical molecules of Klamath algae: phenylethylamine (PEA), called the “molecule of love” or “of happiness”, an endogenous molecule that we produce ourselves, starting from the amino-acid phenylalanine, when we are in love or happy; other molecules, such as AFA-phycoyanins and MAAs (mycosporine-like amino-acids) which, besides being powerful neuroprotectants, protecting our nervous system from oxidative or inflammatory damages, act as selective MAO-B inhibitors, protecting phenylethylamine, as well as neurotransmitters such as dopamine, from the destruction by the monoamine-oxidase B (MAO-B) enzymes, thus allowing it to perform its many functions: as a neuromodulator, acting equally against depression and anxiety¹; as an immune-modulator, able not only to strengthen the immune system, but to stimulate the migration of our immune avant-garde, the T, B and NK (Natural Killer) cells, from the bone marrow to organ and tissues, to attack and destroy pathogens, virus-infected cells, and cancer cells²; as an analgesic (anti-pain³); as digestive and cardiovascular support⁴.

In its drops form, it is supposed to be kept in the mouth for at least 30 seconds (to favour sublingual assimilation) and acts quickly to support mood, increase mental energy, reduce stress. It is also indicated for memory support, for support in ADHD and learning disabilities (especially if combined with KlamExtra⁵); as an appetite regulator in weight loss diets (PEA stimulates dopamine, which is the satisfaction neurotransmitters; for libido and sexual desire; as a general support for neurodegenerative diseases (especially in association with KlamExtra⁶).

KLAMIN® IS RECOMMENDED:

- AS IMMEDIATE MENTAL ENERGY AND QUICK ANTISTRESS
- FOR MOOD, AND AGAINST ANXIETY; FOR MEMORY AND MENTAL ENERGY
- IN ATTENTION AND LEARNING DISORDERS
- AS AN APPETITE REGULATOR; PROMOTION OF LIBIDO.

¹ Genazzani A.D. et al., Effects of Klamath Algae extract on psychological disorders and depression in menopausal women: a pilot study, *Minerva Ginecol.* 2010 Oct;62(5):381-8; Bellingeri P., Scoglio S., Bonucci M., Complementary treatment of mood disorders associated with oncological diseases by using the Klamath algae extract Klammin® : a pilot study, *Adv Complement Alt Med.* 1(3), 2018.

² Hart A. et al. 2007. Natural Killer Cell Activation and Modulation of Chemokine Receptor Profile In Vitro by an Extract from the Cyanophyta *Aphanizomenon flos-aquae*, *J Med Food* 10 (3) 2007, 435–441; Babusyte A. et al., Biogenic amines activate blood leukocytes via trace amine- associated receptors TAAR1 and TAAR2, *Journal of Leukocyte Biology*, 93: 387– 394; 2013.

³ Mosnaim AD et al., Analgesic effects of β-phenylethylamine and various methylated derivatives in mice, *Neurochem Res.* 2014 Sep;39(9):1675-80.

⁴ Ohta H. et al., Tyramine and β-phenylethylamine, from fermented food products, as agonists for the human trace amine-associated receptor 1 (hTAAR1) in the stomach, *Bioscience, Biotechnology, and Biochemistry*, DOI: 10.1080/09168451.2016.1274640;

⁵ Cremonte M, Scoglio S et al., The effect of experimental supplementation with the Klamath Algae Extract Klammin® on Attention Deficit/ Hyperactivity Disorder, *Journal of Medicinal Food*, 20 (12) 2017, 1233–1239

⁶ Nuzzo D., Scoglio S. et al., Effects of the *Aphanizomenon flos-aquae* Extract (Klammin®) on a Neurodegeneration Cellular Model, *Oxidative Medicine and Cellular Longevity*, Volume 2018, Article ID 9089016, 14 pages.

KLAMIN® DROPS INGREDIENTS:

vegetable glycerin (stabilizer); purified water; Klammin® (dry extracts from Klamath microalgae (*Aphanizomenon flos aquae*); Grapefruit (*Citrus x paradisi* MacFayden) seeds dry extract (40% naringin); natural Strawberry flavor; preservative: Potassium sorbate; *Mentha piperita* L. essential oil.

METHOD OF USE:

1 ml dissolved in a little water or directly under the tongue, 2-3 times a day. Shake before using.