

SOD EXTRAMEL®
(SUPER OXIDO DISMUTASA)



Introduction:

Several studies show that there is an emerging link between individual stress and intracellular oxidative stress.

SOD is one of the main antioxidant enzymes found in living cells and organisms. Known since 1969 SOD from erythrocytes was largely studied and used as a treatment for certain diseases like arthritis in a rat model or in chronic radiotherapy damage in humans.

Since 2000, a proprietary melon juice concentrate containing high level of SOD has been developed, its use as a dietary supplement has been a new subject of interest and its antioxidant and anti-inflammatory properties have been demonstrated.

SOD EXTRAMEL®:

Extramel® is an extract from a specific variety of melon (*Cucumis melo* L.), whose active ingredient extracted is the enzyme superoxide dismutase

(SOD), with a standardized enzymatic activity of $\geq 14,000$ IU/g.

It is microencapsulated in a layer of excipients composed of fatty acids.

Hydrogenated products of plant origin, which gives it greater bioavailability thanks to its gastro-resistant capacity.

Its evidence is reinforced by several of its own clinical trials whose conclusions highlight the ability to interact effectively and naturally in reducing stress and fatigue (physical and mental activity). It is also related to antioxidant capacity at the cellular level, having a possible positive effect on some aspects of neurobehavior.

Bibliography:

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Carillon J, Notin C, Schmitt K, Simoneau G, Lacan D. Dietary supplementation with a superoxide dismutase-melon concentrate reduces stress, physical and mental fatigue in healthy people: a randomised, double-blind,

placebo-controlled trial. *Nutrients* [Internet]. 2014 [citado el 2 de mayo de 2022];6(6):2348–59. Disponible en: <https://pubmed.ncbi.nlm.nih.gov/24949549/>.