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SPA-SKY-Natural mineral water with CoQ₁₀

The mineral waters have long been used for prophylaxis and treatment of human beings. The value of mineral waters considerably depends on pH salt composition. Recently, there has been a significant amount of interest in drinking green tea, contributing to reduce the levels of free radicals i.e. reactive oxygen species (ROS) which have a negative impact on the biological structures of the body. ROS can come from the environment and be formed by the body itself, with 90% of our energy machine – mitochondria. However, abnormal accumulation of ROS promotes degeneration of mitochondria, which is an important reason for the development of many diseases, particularly in old age, when there is reduced the number of natural anti-oxidant Coenzyme Q10 (CoQ10). Supplementation of products with CoQ10 has a positive impact in a number of metabolic diseases, especially those with a high energy demand (heart, liver, kidneys). However CoQ10 refers to fat soluble compounds, it is poorly absorbed into these tissues. We used light (chrome) effect technology during the extraction of dietary compounds from 189 herbs at a wavelength of 490 nmc.

This has contributed to enhancing hydrophilic properties of extractable compounds and it turned out that CoQ10 became a water soluble, thus increasing its ability to penetrate into the cells. In a small quantity of extract was added into the mineral water (under the Almaty) and it was called SPA- SKY – Source of Heaven. Efficiency in the use of mineral SPA-SKY water was assessed in the clinic of the Institute of Cardiology and Internal Diseases and it is concluded that when using this mineral water cholesterol and levels of oxidative stress in particular malonic dialdehydeis decreased. Thus, mineral water SPA-SKY has a high prophylactic and curative effect and can be used for individuals with metabolic diseases and to preserve the health of elderly individuals.

Biography

Dias Shakenov 1997, birth. With 2016, student faculty of food manufactures Almaty technological University Almaty, Kazakhstan. In 2015-2016, graduated from the school of Economics, Bydgoszcz, Poland. He is currently Director of LLP «SPA-SKY Production». In 2016 He participated in 21-St International Congress "Apislvavia" Almaty with the report "Evaluation of the prospects of the use of table water enriched with antioxidants to correct functional State of the organism".

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