Diamond Cherry blend – a dietary supplement composition, based on cherry-, sour cherry- or sakura-containing biomass and a natural antioxidant mix

Field of the invention

The invention relates to a Diamond Cherry blend - a dietary supplement composition, based on cherry-, sour cherry- or sakura-containing biomass and a natural antioxidant mix - a combination of quercetin and green coffee, green tea, onion, apple, acerola, black currant, cranberry/blueberry and olive extracts, as well as broccoli sprout, camu camu, tomato, broccoli, acai berry, curcuma, garlic, basil, oregano, cinnamon, elder, carrot, mangosteen, cherry, blackberry, aronia, raspberry, spinach, Tuscan kale and Brussels sprout concentrates, in the form of cellulose capsules.

Background of the invention

The beneficial properties of cherries, sour cherries and sakura are known for centuries. A lot of medicinal properties have been ascribed to these tasty fruits for many years - from medicine for rheumatism and arthritis, to food for restful sleep. They contain vitamins A, B and C, bioflavonoids, ellagic acid, anthocyanin, melatonin. These ingredients aid in the battle against cancer, in the prevention of cardiovascular diseases, to relieve the arthritis pain, in case of headache, as well as in the treatment of fibromyalgia. Cherries help the organism to produce melatonin, They improve the physiological and mental functions. Cherries contain big amounts of vitamin C and zinc, which are of great importance for the immune system, also they contain folic acid for a healthy heart and blood circulatory system, calcium for the bones and iron for the blood. Despite all, the most valuable ingredients in cherries and sour cherries are the plant pigments, referred to as anthocyanins. They strengthen the connective tissue and prevent the appearance of wrinkles, as they destroy the harmful enzymes, which cause the skin aging and wrinkling. Cherries can prevent the formation of cellulite, and the anthocyanins have anti-inflammatory action and prevent from appearance of leg cramps. Owing to the acids and the fruit sugar, cherries improve the function of the stomach, intestines and pancreas, thus stimulating the digestion. Apart from that, these tasty fruits are an excellent duretic, which relieves the heart and activates the functions of liver and kidneys. The cherry stones contain a small amount of

amygdalin, also called vitamin B17 or laetrile, which is supposed to have positive influence on the tumor-mass reduction and inhibits the further cancer progression, also it helps to relieve the pains, caused by cancer processes. Tea from cherry footstalks is recommended for better urination in case of kidney stones. Cherries are considered a very rich source of the chemical element boron, which in combination with calcium and magnesium acts extremely favorable on the bone health. Cherries contain few calories, they are fat-free, but they have a high concentration of water, thus they increase the energy level and accelerate the metabolism of the organism. Compared to the most fruits, cherries contain a lot of potassium and a little of natrium, which inhibits the water retention in the body. Cherries belong to the fruits with the lowest glycemic index. Cherries also are known to purify the blood and to increase the physical activity, and owing to the presence of active phytochemicals therein, the risk of developing Alzheimer's disease is reduced.

Each of the ingredients in the natural antioxidant mix – quercetin and green coffee, green tea, onion, apple, acerola, black currant, cranberry/blueberry, and olive extracts, as well as broccoli sprout, camu camu, tomato, broccoli, acai berry, curcuma, garlic, basil, oregano, cinnamon, elder, carrot, mangosteen, cherry, blackberry, aronia, raspberry, spinach, Tuscan kale and Brussels sprout concentrates, has proven its curative and immune-stimulating effects long ago.

However, no preceding embodiment is known, which is related to the Diamond Cherry blend - a dietary supplement composition, based on cherry-, sour cherry- or sakura-containing biomass and a natural antioxidant mix - a combination of quercetin and green coffee, green tea, onion, apple, acerola, black currant, cranberry/blueberry and olive extracts, as well as broccoli sprout, camu camu, tomato, broccoli, acai berry, curcuma, garlic, basil, oregano, cinnamon, elder, carrot, mangosteen, cherry, blackberry, aronia, raspberry, spinach, Tuscan kale and Brussels sprout concentrates.

Disclosure of the invention

The task of the present invention is to create a dietary supplement composition, based on cherry-, sour cherry- or sakura-containing biomass - a Diamond Cherry blend and a natural antioxidant mix - a combination of quercetin and green coffee, green tea, onion, apple, acerola, black currant,

cranberry/blueberry and olive extracts, as well as broccoli sprout, camu camu, tomato, broccoli, acai berry, curcuma, garlic, basil, oregano, cinnamon, elder, carrot, mangosteen, cherry, blackberry, aronia, raspberry, spinach, Tuscan kale and Brussels sprout concentrates.

The task is solved by means of the provided dietary supplement composition, based on cherry-, sour cherry- or sakura-containing biomass – a Diamond Cherry blend, representing a combination of cherry-, sour cherry- or sakura blossom, fruit, leaves and footstalks extracts and a natural antioxidant mix, representing a combination of equal amounts of quercetin and green coffee, green tea, onion, apple, acerola, black currant, cranberry/blueberry and olive extracts, as well as broccoli sprout, camu camu, tomato, broccoli, acai berry, curcuma, garlic, basil, oregano, cinnamon, elder, carrot, mangosteen, cherry, blackberry, aronia, raspberry, spinach, Tuscan kale and Brussels sprout concentrates, cysteine and D-biotin.

The dietary supplement is provided in the form of cellulose capsules.

The content of the cellulose capsules represents a powder mixture of the following ingredients (in % w/w):

- biomass of Diamond Cherry blend - a combination of cherry-, sour cherry- or sakura blossom, fruit, leaves and footstalks extracts from 62 to 69 %;

- biomass of natural antioxidant mix - a combination of equal amounts of quercetin and green coffee, green tea, onion, apple, acerola, black currant, cranberry/blueberry and olive extracts, as well as broccoli sprout, camu camu, tomato, broccoli, acai berry, curcuma, garlic, basil, oregano, cinnamon, elder, carrot, mangosteen, cherry, blackberry, aronia, raspberry, spinach, Tuscan kale and Brussels sprout concentrates from 25 to 27 %;

- cysteine from 8 to 9 %;

and

- D-biotin – 0,01 %.

The advantages in using of the provided dietary supplement are as follows:

- improving skin health and good-looking;
- brighter and evener skin tone;

- remedy of scars and spots, and reducing freckles on the skin;
- stimulation of the cellular renovation and the formation of collagen and elastin in the skin;
- retardation of the skin aging processes;
- protection of skin from UV rays;
- treatment of podagra;
- general strengthening and antioxidant effect on the human organism;
- prevention of coronary heart disease;
- antiviral and antimicrobial effect;
- protecting brain cells.

The provided dietary supplement composition is ecologically clean and environmentally friendly.

Exemplary embodiments of the invention

The present invention relates to a dietary supplement composition, based on cherry-, sour cherry- or sakura-containing biomass – a Diamond Cherry blend, representing a combination of cherry-, sour cherry- or sakura blossom, fruit, leaves and footstalks extracts, individually or together, a natural antioxidant mix, representing a combination of equal amounts quercetin and green coffee, green tea, onion, apple, acerola, black currant, cranberry/blueberry and olive extracts, as well as broccoli sprout, camu camu, tomato, broccoli, acai berry, curcuma, garlic, basil, oregano, cinnamon, elder, carrot, mangosteen, cherry, blackberry, aronia, raspberry, spinach, Tuscan kale and Brussels sprout concentrates, cysteine and D-biotin, provided in the form of cellulose capsules.

The content of the cellulose capsules represents a powder mixture of the following ingredients (in % w/w):

- biomass of Diamond Cherry blend - a combination of cherry-, sour cherry- or sakura- blossom, fruit, leaves and footstalks extracts, individually or together, from 62 to 69 %;

- biomass of natural antioxidant mix - a combination of equal amounts of quercetin and green coffee, green tea, onion, apple, acerola, black currant, cranberry/blueberry and olive extracts, as well as broccoli sprout, camu camu, tomato, broccoli, acai berry, curcuma, garlic, basil, oregano, cinnamon, elder, carrot, mangosteen, cherry, blackberry,

aronia, raspberry, spinach, Tuscan kale and Brussels sprout concentrates, from 25 to 27 %;

- cysteine from 8 to 9 %

and

- D-biotin – 0,01 %.

The indicated ingredients are used for the preparation of the dietary supplement composition, while upon their mixing it is required to obtain a powder mixture of uniformly distributed ingredients, which is encapsulated in cellulose capsules.

According to one exemplary embodiment of the invention, which is intended only to explain, but not to limit it, the content of the cellulose capsules represents a powder mixture of the following ingredients (in % w/w):

- **Diamond Cherry blend** – 65 %
- **natural antioxidant mix** – 26 %
- **cysteine – 8.99 %**
- **D-biotin – 0.01 %**