COMPOSITION OF AN HYDRO-ALCOHOLIC SOLUTION OF GRAPE POMACE EXTRACT, AND APPLICATION THEREOF FOR REDUCING THE EXOGENUS OXIDATIVE STRESS IN DERMAL CELL

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Invention

Consumer demand for natural ingredients in cosmetic is dramatically increasing. In particular, plant active compounds are gaining increased popularity as cosmetic ingredients. Compared with synthetic cosmetic products, herbal products shows biological and therapeutics activities and are biodegradable. Among natural products, grape seeds and pomaces are gaining attention as source of natural antioxidants with application in cosmetic.

The invention relates to: I) an hydro-alcoholic solution extract of selected grape pomace, II) a cosmetic formulation comprising such hydro-alcoholic solution extract, III) the method for incorporating the hydro-alcoholic solution extract into a cosmetic formulation and IV) the final use of the as-obtained cosmetic formulation. The hydro-alcoholic solution extract is obtained from a mix of 60% Albarola, 30% Vermentino and 10% Bosco grape pomace varieties. It is composed by gallic acid, catechins, epicatechins, glycerol, glucose, fructose, tartaric acid, malic acid and citric acid. The method of incorporation of the hydro-alcoholic solution extract in a cosmetic cream, may be performed without intermediate steps, avoiding both the degradation of the polyphenol antioxidants and the stability of the final emulsion. It allows preparing cosmetic formulation with a biologically relevant concentration of antioxidant species using directly the extract solution without further purification processes and/or concentration processes.

Drawing
& pictures

Industrial applications

- Skin care products;
- Natural antioxidant cosmetics;
- Nutraceutic products;
- Biomedical products;

Possible developments

The research group is interested in industrial partners interested in licensing the technology covered by this patent.

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