

Physico-chemical characterisation of sea buckthorn extracts for cosmetic use

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Abstract The purpose of the paper is to present original results concerning characterization of different sea buckthorn (*Hippophae rhamnoides L.*) extracts and some original dermato-cosmetic products containing these extracts. Aqueous distillate from fruits and leafy branches, aqueous extract from seeds, fresh fruit juice and frozen fruit juice after 2 years of storage, ethanolic extracts of buds have been analyzed for the following parameters: total and organic acidity, oxidability, calcium and magnezium, pH, conductivity, oxidation-reduction potential (ORP). The investigated sea buckthorn extracts have important contribution in care and treatment of skin diseases; during many years of experience in this field great benefits have been observed. Taking into account also the results of previous studies of other researchers we consider that the ORP measurement of cosmetic mixtures could provide objective, cheap and reliable information about antioxidant activity of complex samples.

Keywords: sea buckthorn extracts, pH, ORP, original dermato-cosmetics
