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## Preliminary studies regarding the analytical characterization of vegetable extracts for cosmetic use by HPLC

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**Abstract** In this paper we present the preliminary results concerning the separation of some compounds from vegetable extracts for cosmetic use using HPLC system with diode array detection.

We analyzed extracts from five plants: *Artium lappa radix*, *Convolvulus arvensis flores*, *Robinia pseudacacia flores*, *Serpylli herba* and *Strobuli lupuli*, used in the cosmetic treatment of grassy skin. The analytical used device was a High Performance Liquid Chromatograph GBC with photo-diode array detector - wavelengths range 190-700 nm. The analytical column was Spherisorb ODS 2 (C18 ) 5 µm, ID 150 x 4.6 mm. We identified some flavonoid, tannins and betacarotenoids compounds.

*Keywords:* *Artium lappa radix*, *Convolvulus arvensis flores*, *Robinia pseudacacia flores*, *Serpylli herba*, *Strobuli lupuli*, HPLC, alchoolic plant extracts

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