

## Bioelemental composition in the leaves of some medicinal plants and dietary supplements

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### Abstract

Macro- and microelements composition in the leaves of plants *Polyscias filicifolia* Bailey (Araliaceae) and *Ginkgo biloba* L. (Ginkgoaceae) have been defined by means of mass spectrometry with inductively – coupled plasma (ICP-MS) method.

The Shii-taki fungi (*Lentinula* spp.) and some dietary supplements – as the biologically active additives were investigated: "American Ginseng" 100% Euro Ginseng, NPH b.v. (Euro Ginseng / Netherlands. U.K. Grover & Distributor). – "Wild Siberian Ginseng" Root *Eleutherococcus senticosus*, (U.K. Grover & Distributor, Nature's way products Inc. America's Botanical Expert.). – "Herba Echinacea purpurea" (Nature's way products Inc. America's Botanical Expert.). – "Cat's claw" Bark *Uncaria Tomentosa* (Laif. certification of ИСО9001:2000). – "The Powders of Garlic's" (Il'ya Rogov's<sup>R</sup>, A. Nattermann & Cie.Gm). All the vital elements were defined in these experimental objects. The analysis of the obtained data has shown the considerable difference in the content of macro- and microelements.