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**Content of Heavy Metals In Certain Vegetables, Citrus Fruits and Tea Leaves Produced In The Republic of Azerbaijan and Their Pocessing Products**

**Abstract:** Due to the fact that the relevance of food safety issues is increasing every year, this article highlights the results of analyzes of the content of toxic metals (Zn, Cd, Pb, Cu) in plant materials grown in the Lankaran economic region of the Republic of Azerbaijan and their processing products ... Measurements of mass concentrations of Zn, Cd, Pb and Cu were performed by stripping voltammetry after preliminary preparation of samples by "wet" mineralization. The stripping voltammetry method is based on the ability of the elements accumulated on the working electrode from the analyzed solution to dissolve electrochemically at a certain potential characteristic of each element. The registered maximum anode current of the element is linearly dependent on the concentration of the element to be determined. The process of electron accumulation (electrolysis) on the working electrode takes place at a certain electrolysis potential for a given time. It was found that a relatively high concentration of Zn, Pb, Cu 2.90 ± 1.10 mg / kg, 0.11 ± 0.040 mg / kg, 3.10 ± 1.10 mg / kg, respectively, were found in green tea leaves, and a relatively high content of Cd concentrations of 0.036 ± 0.014 was found in tea drinks made from black long tea. And the lowest Zn content is 0.0033 ± 0.14 mg / kg; Cd 0.00098 ± 0.00015 mg / kg; Pb 0.012 ± 0.0041 mg / kg; Cu 0.054 ± 0.020 mg / kg were found, respectively, in lemon juice, canned cucumbers, fresh oranges and black tea drinks. The content of mass concentrations of toxic metals Cd, Pb in all analyzed samples of tea leaves, vegetables (cucumbers and eggplants) and citrus fruits (lemons and oranges) is less than their permissible levels specified in the current regulatory documents. The content of mass concentrations of toxic metals Zn, Cu in fresh vegetables, citrus and tea leaves is not standardized by these standards.

**Key words:** vegetables, citrus fruits, tea leaf, toxic metals, health, food safety

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