

Trace and essential elements determination in baby formulas milk by INAA and k_0 -INAA techniques

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Abstract: As a part of the food analysis program executed at Es-Salam research reactor by neutron activation analysis laboratory, the concentration of As, Ba, Br, Ca, Fe, K, La, Rb and Zn in baby formulas milk have been determined by using INAA and k_0 -NAA techniques. It was found that the concentration of all elements obtained by both techniques was relatively identical for the three brands of the 0–6 and 6–12 months of analyzed samples. In addition, the analytical results have been compared with those given by producers.

Keywords : Trace and essential elements, NAA method, Milk products, Analysis