

INVESTIGATION OF CONTAMINATION OF VEGETABLE OILS MADE IN LITHUANIA BY CHLORORGANIC COMPOUNDS

B.Staniskiene, R.Bliumbergas, H.Medeksiene

Summary. Investigation was carried out in order to determinate the level of contamination of four kinds of vegetable oils made in Lithuania by chlororganic pesticides, their metabolites and polychlorinated biphenyls. Methods of gas chromatography and mass spectroscopy were used for measurements. The samples examined were found to be not contaminated by residues of DDT, its metabolites or polychlorinated biphenyls or their concentration didn't reach the limit of sensivity. It was demonstrated that the admixture found in the samples of one kind of vegetable oil didn't belong to the class of polychlorinated biphenyls.

Keywords: vegetable oil, contamination, pesticides, polychlorinated biphenyls, gas chromatography, mass spectra