

Title: **Review of the determination of plastic contaminants in food coming from the migration of food packaging**

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Food contact materials are those materials and articles intended to come into contact directly or indirectly with food products and that can release substances that can be transferred to food (migration). The aim of this project is the bibliographic review of the analytical methods used for the determination of plastic contaminants that can migrate into food. In particular, the potential organic migrant compounds (plastic precursors, additives, adhesives, etc.) and the legislation for food packaging production that limits the used of banned substances will be also revised. From the different families of compounds that can migrate into food, in this project the analytical methodology will be revised for some selected family of compounds (aromatic amines, bisphenols and BADGES and their derivatives) in order to identify the problems and needs that will boosted up the development of new methodologies with alternative techniques for their monitoring in food control laboratories.

Keywords: Food packaging, Migration, NIAS, Analytical approaches