Abstract Template

Abstract Title: Migration of phthalates from cellulosic packaging according to Regulations from Brazil and Europe

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Abstract

The recycling of cellulosic packaging (paper, corrugated paper and cardboard) is one of the most traditional activities in the Brazilian market, so that 73.3% of the total volume of corrugated paper consumed in Brazil was recycled in 2012, corresponding to 3,393 thousand tons. However, the approval of the use of recycled paper in packaging for food contact is of concern regarding food safety for the Brazilian population, since 34.5% of the scraps were used for manufacture of food packaging and 15.6 % were used in corrugated paper sheets. The use of post-consumer paper scraps for the manufacture of food packaging should increase with the approval of Resolution RDC No. 88/16, which may include the use of lower quality paper scraps, so that there will be a need for greater control over the possible contamination of themselves. Various substances are added unintentionally to the packaging material due to the incorporation of recycled pulp, which should be considered as potential migrants. Therefore, the aim of this study was to develop and validate test methods for determination of the migration of the phthalates DEHP, DBP and DIBP from cellulosic packaging intended to come into contact with foodstuff into dry and fatty food simulants (n-heptane – Brazil and Tenax™ – Europe). In this work, the results obtained from the migration tests of phthalates from cellulosic packaging intentionally contaminated in three different levels (low, medium and high) with DEHP, DBP and DIBP into these two food simulants will be compared.

Keywords – *cellulosic packaging, food safety, migration, regulation*

Professional Biography

Leda Coltro has completed his PhD at the age of 30 years from University of Campinas - UNICAMP. She is researcher of Packaging Technology Center – CETEA, at Institute of Food Technology – ITAL, in Brazil. She has published more than 25 papers in reputed journals and has been serving as reviewer of reputed journals.



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Any Comments:

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