

Ocena varnosti premazov v stiku z živili

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Izvleček

Za premaze v stiku z živili, trenutno ne obstaja usklajen način ocene varnosti. Osnovne napotke za usklajeno oceno je pripravila projektna skupina. V napotkih priporoča, da se snovi v kompleksni mešanici, ki se iz premazov sprošča v živila, identificirajo in kvantificirajo. Ocena varnosti premazov se izvede podobno, kot ocena plastike, vendar je bolj zahtevna. Poleg informacij o izhodnih snoveh so potrebne še informacije o vseh spojinah, ki se sproščajo v živila (namerno dodane, IAS in nenamerno dodane, NIAS), o substratu in procesu utrjevanja premaza. Še ni dovolj raziskano kateri pogoji preskušanja in simulanti so najbolj ustrezni za preskušanje migracije iz premazov. Premaze, ki vsebujejo nanodelce in tudi morebitne nanodelce sproščene iz premazov je potrebno temeljito karakterizirati in upoštevati vse različne mehanizme sproščanja.

Ključne besede: premazi, ocena varnosti, preskušanje migracije, IAS, NIAS, nanodelci

Safety assessment of coatings in contact with foodstuffs

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Abstract

For food contact coatings there is currently no harmonized method for safety assessment. The basic guidelines were prepared by the Task Force. The guidance recommends that substances released from coatings into foods in a complex mixture are identified and quantified. The safety assessment of coatings is performed similarly to the assessment of plastics but is more challenging. In addition to information on starting substances, information on all compounds released into food (intentionally added, IAS and non-intentionally added, NIAS), about substrate and coating production process is required. New research on test conditions and simulants most appropriate for migration testing of coatings is needed. Coatings containing nanoparticles and nanoparticles released from the coatings into food should be characterised and all the different release mechanisms should be considered.

Key words: coatings, safety assessment, migration testing, IAS, NIAS, nanoparticles

Hrana, prehrana, zdravje:

Gojimo, hranimo, ohranjamo. Skupaj

P. Raspor (ur.)

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