



Taiwan Proposes to Amend the Sanitation Standard for Food Utensils, Containers and Packages

The Bureau Standards, Metrology and Inspection (BSMI) of Taiwan proposed a notice to amend Article 4 of Sanitation Standard for Food Utensils, Containers and Packages.

The Challenge:

This new requirements proposed the migration limit of plasticizer of plastic materials and included sanitary standards for food utensils, containers, packages and feeding bottle. The newly added requirements are shown as follows:

(1) General requirements:

Material	Test Item and Standard	Leaching Solution	Leaching Condition	Test Item and Standard
Plastics	Nil	Heptane	25°C for 1 hour	Di-(2-ethylhexyl) phthalate (DEHP) content : ≤1.5ppm Di-n-butyl phthalate (DBP) content : ≤0.3ppm

(2) Requirements for plastics:

Material	Test Item and Standard	Leaching Solution	Leaching Condition	Test Item and Standard
Polycarbonate (PC) – except feeding bottles	Total lead content: ≤100ppm Total cadmium content: ≤100ppm	Water	95°C for 30 mins	Consumption of KMnO ₄ : ≤10ppm Evaporation residue: ≤30ppm Bisphenol-A: ≤0.6ppm
		4% acetic acid	60°C for 30 mins	Lead content: ≤1.0ppm Evaporation residue: ≤30ppm Bisphenol-A: ≤0.6ppm
Polyphenylene sulfone (PPSU) – for feeding bottles	Total lead content: ≤100ppm Total cadmium content: ≤100ppm	Water	95°C for 30 mins	Consumption of KMnO ₄ : ≤10ppm Evaporation residue: ≤30ppm Bisphenol-A: ≤30ppb
		4% acetic acid	60°C for 30 mins	Lead content: ≤1.0ppm Evaporation residue: ≤30ppm Bisphenol-A: ≤30ppb

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Polyethersulfone (PES) – for feeding bottles	Total lead content: ≤100ppm Total cadmium content: ≤100ppm	Water	95°C for 30 mins	Consumption of KMnO ₄ : ≤10ppm Evaporation residue: ≤30ppm Bisphenol-A: ≤30ppb
		4% acetic acid	60°C for 30 mins	Lead content: ≤1.0ppm Evaporation residue: ≤30ppm Bisphenol-A: ≤30ppb
Polylactic acid (PLA) ^a	Total lead content: ≤100ppm Total cadmium content: ≤100ppm	Water	50°C for 4 hours ^b	Consumption of KMnO ₄ : ≤10ppm Evaporation residue: ≤30ppm Total of lactic acid: ≤30ppm
		4% acetic acid		Lead content: ≤1.0ppm Evaporation residue: ≤30ppm
		20% ethanol		Evaporation residue: ≤30ppm
		Heptane	25°C for 1 hour	Evaporation residue: ≤30ppm

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Note:

*a) Food utensils, containers and packages made of polylactic acid materials shall not be used in the process of high- temperature sterilization and shall not contain food which is at the temperature exceeding 100°C.

*b) The leaching condition shall be at 60°C for 30 minutes when processing food at the temperature exceeding 50°C or using polylactic acid composite material.

The Solution:

Intertek, an internationally accredited laboratory, offers an extensive variety of solutions and services to a wide range of industries. We have earned the confidence of our clients with consistent professionalism and accuracy in our testing services.

Intertek is committed to advancing the safety industry, especially through risk analysis and evaluation, working with our clients in assessing and reducing any hazards associated with their products before they are produced and marketed - incorporating product safety into every facet of the supply chain.

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