

附表六：美国食品接触材料化学物质安全限量表

	Materials	Code of Federal Regulation	Test Items	Requirement
1	Resinous and Polymeric Coating 树脂和聚合物涂料	21CFR 175.300	Overall Migration 总迁移	<p>Coating employed as a component of a container not to exceed 1 gallon and intend for one-time use. 容器体积不超过 1 加仑且一次性使用。</p> <p>Coating employed as a component of a container having a capacity in excess of 1 gallon and intend for one-time use. 容器体积超过 1 加仑且一次性使用。</p> <p>Coating employed as a component of a container for repeat use. 可以反复使用的容器。</p> <p>Coating intend for repeated use, and employed other than as a component of a container. 涂层不是容器的组成成分，且可以反复使用。</p>
2	Paper or paperboard 纸及纸制品	21CFR 176.170	Overall Migration 总迁移	≤0.5mg/in ²

3	Acrylonitrile/Butadiene/Styrene Co-polymer 丙烯腈/丁二烯/苯乙烯 共聚物 ABS	21CFR 177.1020	Acrylonitrile Monomer 丙烯腈单体	$\leq 0.0015 \text{mg/in}^2$	
4	Closures with sealing gasket 密封垫圈	21CFR 177.1210	Overall Migration 总迁移	Plasticized polymer, including rubber from hot melt, solution, plastisol, or latex 液体增塑密封橡胶垫圈	$\leq 50 \text{ppm}$ (Water), $\leq 500 \text{ppm}$ (Heptane), $\leq 50 \text{ppm}$ (Alcohol)
				Unvulcanized natural or synthetic rubber 非硫化型橡胶垫圈	$\leq 50 \text{ppm}$ (Water), $\leq 250 \text{ppm}$ (Heptane), $\leq 50 \text{ppm}$ (Alcohol)
				Vulcanized natural or synthetic rubber 硫化型橡胶垫圈	$\leq 50 \text{ppm}$ (Water), $\leq 50 \text{ppm}$ (Heptane), $\leq 50 \text{ppm}$ (Alcohol)
				Polymeric or resinous-coated paper, plastic or metal foil substance 有涂层的纸塑料金属膜	$\leq 50 \text{ppm}$ (Water), $\leq 250 \text{ppm}$ (Heptane), $\leq 50 \text{ppm}$ (Alcohol)

5	Olefin Polymers 烯烃聚合物 (PP/PE/OP)	21CFR 177.1520	1.Density, 密度, 2.Melting Point 熔点 3. N-hexane extractive, 正己烷提取 4. Xylene extractive 二甲苯提取	Details see (c) specification of 177.1520. Test result expressed as %w/w.	
6	Polycarbonate Resins 聚碳酸酯 PC	21CFR 177.1580	Water extractives 水提取物	≤0.15%w/w	
			Ethyl alcohol extractives 乙醇提取物	≤0.15%w/w	
			N-heptane extractives 正己烷提取物	≤0.15%w/w	
7	Polyethylene phthalate polymers 聚对苯二甲酸乙二酯 (PET)	21CFR 177.1630	Chloroform Extractives 氯仿提取物	Used for packaging, transporting or holding food excluding alcoholic beverages. 食品接触但不包括酒精饮料	≤0.5mg/in ² (distilled water)
				≤0.5mg/in ² (n-heptane)	

			Used for packaging, transporting or holding alcoholic beverages (do not exceed 50 percent by volume) 接触酒精饮料(不超过 50%)	$\leq 0.5\text{mg/in}^2$ (distilled water) $\leq 0.5\text{mg/in}^2$ (n-heptane) $\leq 0.5\text{mg/in}^2$ (ethyl ethanol)
			Used for contain food during oven baking or cooking at temperature above 250F. 烘烤烹煮食品 (不超过 250F)	$\leq 0.02\text{mg/in}^2$ (distilled water) $\leq 0.02\text{mg/in}^2$ (n-heptane)
			Used for contact dry food, bulk food include alcohol beverage not exceed 50 percent by volume. 接触干食品，散装食品以及不超过 50%的酒精饮料。	$\leq 0.2\text{mg/in}^2$ (distilled water) $\leq 0.2\text{mg/in}^2$ (n-heptane) $\leq 0.2\text{mg/in}^2$ (ethyl ethanol)
			Used for packaging, transporting or holding alcoholic foods that do not exceed 95 percent by volume. 接触含量不超过 95%的酒精饮	$\leq 0.5\text{mg/in}^2$ (distilled water) $\leq 0.5\text{mg/in}^2$ (n-heptane) $\leq 0.005\text{mg/in}^2$ (ethanol) Container capacity: Greater than 50ml

				料。	$\leq 0.05\text{mg/in}^2$ (ethanol) Container capacity: Less than or equal to 50ml
8	Polystyrene and rubber-modified polystyrene 聚苯乙烯和橡胶改性聚苯乙烯 PS	21CFR 177.1640	Residual styrene monomer 苯乙烯单体残留	PS except contact with fatty foods 不接触油性食品的聚苯乙烯	$\leq 1\%w/w$
				PS contact with fatty foods 接触油性食品的聚苯乙烯	$\leq 0.5\%w/w$
				Rubber-modified polystyrene 橡胶改性聚苯乙烯	$\leq 0.5\%w/w$
9	Rubber articles intended for repeated use (excluding nursing-bottle nipples) 重复使用的橡胶制品(不包括婴儿橡胶奶嘴)	21CFR 177.2600	Overall Migration 总迁移	Used in contact with aqueous foods 接触水性食品	$\leq 20\text{mg/in}^2$ (first 7h of extraction) $\leq 1\text{mg/in}^2$ (succeeding 2h of extraction)
				Used in contact with fatty foods 接触油性食品	$\leq 175\text{mg/in}^2$ (first 7h of extraction) $\leq 4\text{mg/in}^2$ (succeeding 2h of extraction)