

食品接触材料是指与食品相互接触的所有材料和物品，包括包装材料、餐具、器皿、加工机械和容器。

欧盟委员会在1935/2004/EC指令中指出，食品接触材料的构成成分迁移到食品中的量，不得造成以下情况：

- ▶ 危害人类健康
- ▶ 食品成分发生无法接受的变化
- ▶ 感官特性（味道、气味、颜色等）的劣变

出口美国的与食品直接接触的器皿或材料，则必须符合FDA的相关要求。

SKYTE可根据欧美及世界其它国家的食品接触材料安全法规提供测试。

Food contact material (FCM) refers to materials and articles intended to come into contact with foodstuffs, including packages, tableware, household utensils, processing machinery and containers. According to European regulation 1935/2004/EC, The ingredients of FCM shall not transfer to foodstuffs in quantities that caused the following cases:

- ▶ Harmful to human health
- ▶ Unacceptable change in food ingredients
- ▶ Bad change in sensory characteristic (flavor, odor and color etc.)

Material and containers, which direct contact with foodstuff, must meet FDA related requirement when export to United States.

SKYTE provide relevant testing according to FCM safety regulation of European, USA and other countries.



欧盟2002/72/EC指令 (EU 2002/72/EC Directive)

接触类型 Condition of use	测试项目 Testing item	限值 Limit
非酸性水性食物 Non-acidic aqueous food	水模拟总迁移量测试 Water simulant total migration testing	10mg/dm ² 或 60mg/kg
酸性食物 Acidic food	3%醋酸模拟总迁移量测试 3% acetic acid simulant total migration testing	
含酒精食物 Alcoholic food	10% 酒精模拟总迁移量测试 10% alcohol simulant total migration testing	
油性食物 Oily food	橄榄油/葵花子油/异辛烷模拟总迁移量测试 olive oil/sunflower oil/ isooctane splash total migration testing	

美国FDA法规 (America FDA Regulation)

法规 Regulation	材料 Material	
21 CFR 175.300	Resinous and Polymeric Coatings	树脂或聚合物涂层
21 CFR 176.170	Paper & Paperboard	纸和卡纸
21 CFR 177.1350	Ethylene – Vinyl Acetate (EVA)	乙烯醋酸乙烯共聚物
21 CFR 177.1460	Melamine – Formaldehyde Resins (MF)	三聚氰胺-甲醛
21 CFR 177.1500	Nylon	尼龙
21 CFR 177.1580	Polycarbonate(PC)	聚碳酸酯
21 CFR 177.2600	Rubber	橡胶
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其他法规 Other Regulation

- ▶ EU 84/500/EC & 2005/31/EC , BS 6748 , ISO 6486
- ▶ Germany LFGB & 30&31
- ▶ France DGCCRF 2004-64
- ▶ GB 5009.58, GB 5009.59, GB 5009.71 etc.