

A photograph of a family in a kitchen. A man in a white shirt and brown apron is cooking at the stove. A woman in a red top is smiling and looking at a young child who is helping with the food. The kitchen is modern with white cabinets and a wooden countertop. There are various kitchen items like a bread roll, a bowl, and a basket of bread on the counter.

Ensure a safer kitchen
让您的厨房获得更多
安全保障

Add value.
Inspire trust.



Your challenges

With the fast-development of food science technologies and packaging industries, new types of packaging materials are constantly emerging. Food contact materials are no longer limited to bamboo, wood and ceramic products and have now expanded to polymer materials.

Understanding how to regulate and manage all kinds of food packaging materials has become an increasing concern for governments. Developed countries and authorities like the European Union Management Committee (EC), United States Food and Drug Administration (FDA) have established strict food contact material standards and regulations. One example is Germany's LFGB regulation. As a result, food contact materials must be compliant to the relevant regulations and standards when exporting to these markets.

TÜV SÜD provides safety and quality solutions based on the global standards and market requirements. Our testing and certification services help our customers increase their competitive advantage globally by ensuring your cookware products are compliant to international regulations in order to gain global market access.

您面临的挑战

随着食品科技和包装工业的迅速发展，许多新型的包装材料和包装形式不断出现，食品接触材料的种类再也不限于原始的竹木制品、陶瓷制品，高分子材料等新材料的广泛应用大大丰富了食品接触材料的种类。

如何对各类包装材料在食品中的应用进行规范和管理一直受到各国政府的关注。发达国家都建立了严格的食品接触材料法规和标准体系，如欧盟管理委员会（EC）、德国的LFGB认证、美国食品药品监督管理局（FDA）等颁布的相关法规和标准。这就意味着我国出口的食品接触材料必须符合这些输入国的相关法规标准要求，才能确保产品的质量安全并顺利进入国际市场。

TÜV南德意志集团依据相关技术标准及市场要求等为食品接触材料中的厨房用具提供测试、认证及解决方案。我们的服务致力于确保厨房用具产品质量及安全，提升产品质量，以符合国际市场标准要求。我们的服务为客户提升卓越竞争力。

Our service 我们的服务

Europe 欧洲

Technical standards 技术标准	Description	描述
BS EN 1183	Materials and articles in contact with foodstuffs - test method for thermal shock and thermal shock endurance	接触食品的材料和物品——对于热冲击和热冲击持久性的测试方法（冷热冲击测试）
BS EN 12875-1	Mechanical dishwashing resistance of utensils. Reference test method for domestic articles	器皿的耐机洗性，家用物品的参考试验方法
BS EN 1217	Materials and articles in contact with foodstuffs - Test method for water absorption of ceramic articles	接触食品的材料和物品——陶瓷制品吸水率测试
DIN 44904	Holloware for electric cookers, dimensions requirements and testing	电灶用炊具：尺寸、要求和检验
STIWA:01	Stiftung Warentest publication reg. coated pans test	商品测试基金会出版对于涂层锅子的相关测试
BS 5577	Specification for table cutlery with non-metallic handles	桌上餐具——非金属手柄餐具的规格
BS EN ISO 8442-1	Materials and articles in contact with foodstuffs - cutlery and table holloware - part 1: requirements for cutlery for the preparation of food	桌上餐具——准备食品用到的餐具的要求
ISO 8442-2	Materials and articles in contact with foodstuffs - cutlery and table holloware - part 2: requirements for stainless steel and silver-plated cutlery	桌上餐具——不锈钢餐具及镀银餐具的要求
BS EN 12546-1	Materials and articles in contact with foodstuffs - Insulated containers for domestic use - Part 1: specification for vacuum ware, insulated flasks and jugs	能接触到食物的物料和产品——家用保温容器——第1部分：真空瓶、保温壶和杯的规格
BS EN 12546-2	Materials and articles in contact with foodstuffs - Insulated containers for domestic use - Part 2: Specification for insulated bags and boxes	能接触到食物的物料和产品——家用保温容器——第2部分：保冻袋和盒的规格
BS EN 12546-3	Materials and articles in contact with foodstuffs - Insulated containers for domestic use - Part 3: Specification for thermal packs	能接触到食物的物料和产品——家用保温容器——第3部分：保温包的规格
EN 15284	Materials and articles in contact with foodstuffs - Test method for the resistance to microwave heating of ceramic, glass, glass-ceramic or plastic cookware	能接触到食物的物料和产品——陶瓷、玻璃、玻璃陶瓷、塑料炊具的微波加热测试方法
BS EN 12983-1	Cookware - Domestic cookware for use on top of a stove, cooker or hob - part 1: General requirements	用于炉头、蒸煮机、铁架上的家用炊具——一般要求
BS EN 12983-2	Cookware - Domestic cookware for use on top of a stove, cooker or hob - Part 2: General requirements for ceramic cookware and glass lid	用于炉子、炊具或铁架上的家用炊具——陶瓷炊具和玻璃盖的一般要求
BS EN 13750	Domestic water kettles for use on top of stove, cooker or hob - Requirements and test methods	家庭用于炉子、炊具、铁架上的水壶——要求和测试方法
BS EN 13834	Cookware - Ovenware for use in traditional domestic ovens	炊具——一般家用的烘箱器皿
EN 12875-4	Mechanical dishwashing resistance of utensils - Part 4: Rapid test for domestic ceramic articles	家用陶瓷制品耐机械洗涤快速试验
EN 12980	Materials and articles in contact with foodstuffs Non-metallic articles for catering and industrial use Method of test for the determination of impact resistance	用于饮食和非金属容器耐冲击测试方法
EN 12778	Cookware-Pressure cookers for domestic use	压力锅
EN 13248	Cookware - Coffee makers for domestic use with an independent heat source - Definitions, requirements and test methods	咖啡壶



China 中国

Technical standards 技术标准	Description	描述
GBT 3298	Standard test method for crazing resistance of domestic ceramic ware by a thermal shock method	日用陶瓷器抗热震性测定方法
GBT 4547	Glass containers- test methods of the thermal shock resistance and thermal shock endurance	玻璃容器抗热震性和热震耐久性试验方法
GBT 11416	Domestic insulated containers	日用保温容器
GBT 15067.2	Stainless steel cutlery	不锈钢餐具
GBT 27587	Test method for the resistance to microwave heating of domestic ceramicware	日用陶瓷耐微波加热测试方法
GBT 29601	Stainless steel ware	不锈钢器皿
GBT 29606	Stainless steel vacuum flask	不锈钢真空杯
GBT 2174	Stainless steel kitchen war	不锈钢厨具
GBT 2332	Stainless steel vacuum container	不锈钢真空保温容器
GBT 2421	Aluminium non-stick pan	铝及铝合金不粘锅
GBT 2933	Double decker cup	双层口杯
GBT 4049	Plastic cup	塑料饮水口杯
GBT 4624	Thermal insulation containers - Foam boxes	保温容器 保温箱
GB/T 3532	Domestic porcelain ware	日用瓷器
GB/T 32094	Plastic crisper	塑料保鲜盒
GBT 2933	Double decker cup	双层口杯
GB/T 32388	Aluminum and aluminum alloys nonstick cookware	铝及铝合金不粘锅
GB/T 32432	Domestic steel cookware	家用钢制厨具
GBT 4162	Glassare-Glass tumblers	玻璃杯
GB/T 32147	Cookware for domestic induction cookers	家用电磁炉适用锅
GB/T 30771	Domestic devitrocera	日用玻璃陶瓷
GB/T 41001	Melamine plastic tableware	密胺塑料餐饮具
GB/T 40356	Kitchen knife	厨用刀具
GB/T 40355	Stainless steel vacuum container	不锈钢真空保温容器
GB/T 40354	Carbon steel nonstick cookware	铁质不粘锅
GBT 5612	Titanium cup	钛杯

United States of America 美国

Technical standards 技术标准	Description	描述
ASTM C 149	Standard test method for thermal shock resistance of glass containers	对于玻璃容器的热冲击测试方法
ASTM C 368	Standard test method for impact resistance of ceramic tableware	对于陶瓷餐具的抗冲击测试方法

Testing services

Physical and performance testing

Cookware

- Stability test
- Resistance to burning test
- Heat resistance test
- Torque resistance test
- Bending strength test
- Fatigue resistance test
- Thermal hazards test
- Cross cut adhesion test
- Pencil hardness test
- Non-stick performance test
- Non-stick coating corrosion resistance test
- Pouring test
- Base stability under shock conditions test
- Resistance to pull of handle assembly test
- Heat distribution test
- Suitability for use with various heat sources
- Ceramic cookware impact resistance
- Thermal shock resistance test of glass lids and ceramic cookware
- Easy clean coating test of ceramic cookware
- Leakproof test
- Resistance to microwave heating test

Ceramicware & Glassware

- Thermal shock test
- Mechanical dishwashing resistance test
- Water absorption test
- Crazing resistance test
- Impact resistance test

测试服务

物理性能测试

炊具

- 稳定性测试
- 抗燃烧测试
- 耐热性测试
- 抗扭力测试
- 弯曲强度测试
- 疲劳测试
- 热危害测试
- 交叉切割粘附力测试
- 铅笔硬度测试
- 不粘性能测试
- 不粘涂层耐腐蚀测试
- 流出性测试
- 冲击环境下的底部稳定性测试
- 手柄抗拉测试
- 热分布
- 各种热源适用性
- 陶瓷炊具耐冲击测试
- 玻璃盖和陶瓷炊具的抗热冲击测试
- 陶瓷炊具涂层易清洁性能
- 防漏测试
- 抗微波加热测试

陶瓷器皿和玻璃器皿

- 热冲击测试
- 机械洗碗测试
- 吸水率测试
- 抗裂纹测试
- 抗冲击测试



Tableware

- Resistance to corrosion test
- Strength test
- Firmness of handle attachment test
- Hardness test
- Resistance to dropping test
- Resistance of plastic handles to softening at elevated temperatures test
- Resistance of plastic handles to environmental stress cracking test
- Resistance of handles other than ceramic or glass to distortion in hot water test
- Resistance of ceramic and glass handle to cracking test
- Pouring test
- Stability test
- Heat loss test
- Thermal shock test
- Stopper and seal leakage test
- Impact test
- Handle test
- Insulation performance test
- Cleaning test
- Leak resistance test
- Load resistance test
- Puncture resistance test

Your business benefits

- As a leading, global technical service provider, TÜV SÜD is committed to provide one stop solution to kitchenware worldwide.
- Enhance credibility - by obtaining the GS mark and TÜV SÜD mark
 - Safeguard your whole supply chain - through our testing services and technical support
 - Benefit from our one-stop testing solution - which includes:
 - Chemical analysis
 - LFGB testing
 - PAHs analysis
 - Material composition analysis
 - Material in contact with food - Metal/Non Metal

餐具

- 抗腐蚀测试
- 强度测试
- 手柄牢固度测试
- 硬度测试
- 抗跌落测试
- 高温下的塑料手柄抗软化测试
- 塑料手柄的抗环境分裂测试
- 除了陶瓷或玻璃手柄的抗热水变形测试
- 陶瓷和玻璃手柄的抗裂测试
- 流出性测试
- 稳定性测试
- 热损耗测试
- 热冲击测试
- 塞子密封性测试
- 冲击测试
- 手柄测试
- 绝缘性能测试
- 清洗测试
- 抗漏测试
- 负载测试
- 刺穿测试

您的企业收益

- 作为全球领先专业技术服务提供商, TÜV南德意志集团致力于为全球厨房用具安全提供一站式解决方案。
- 品牌提升——GS标志和TÜV SÜD标志
 - 测试服务和技术支持——覆盖整个供应链的安全保障
 - 综合服务——我们综合测试中心可以为您提供:
 - 化学分析
 - LFGB测试
 - PAHs分析
 - 材料成分分析
 - 与食品接触的材料分析——金属或非金属

High quality outsourcing laboratory and TÜV SÜD benchmark alignment

European Union 欧盟	(EC) No 1935/2004, (EU) No 10/2011, (EC) No 1895/2005 84/500/EEC & 2005/31/EC
Council of Europe 欧洲议会	Council of Europe Resolution CM/Res (2013) 9 on metals and alloys used in food contact materials and articles
Council of Europe 欧洲议会	Council of Europe Resolution CM/Res(2020) 9 on the safety and quality of materials and articles for contact with food
Council of Europe 欧洲议会	Resolution ResAP (2004) 1 on coatings intended to come into contact with foodstuffs
Council of Europe 欧洲议会	Resolution ResAP (2004) 4 on rubber products intended to come into contact with foodstuffs
Council of Europe 欧洲议会	Resolution ResAP (2004) 5 silicones used for food contact applications
France 法国	French DGCCRF Information Notice 2007/766 and amendments on materials in contact with foodstuffs
Germany 德国	LFGB (German Food, Commodity and Feed Law) German Bfr Recommendations for specific materials
Italy 意大利	Ministerial Decree 21-03-1973, D.M. 21-03-1973 Hygiene regulation of packaging, containers and utensils intended to come into contact with foodstuffs or substances for personal use
Switzerland 瑞士	Swiss SR 817.023.21
United States of America 美国	FDA(Food and Drug Administration), CFR (Code of Federal Regulations) Title 21 and Cal. 65 (California proposition 65)
China 中国	GB 4806.1~GB 4806.12

Add value. Inspire trust.

TÜV SÜD is a trusted partner of choice for safety, security and sustainability solutions. It specialises in testing, certification, auditing and advisory services. Through more than 26,000 employees across over 1,000 locations, the company adds value to customers and partners by enabling market access and managing risks. By anticipating technological developments and facilitating change, TÜV SÜD inspires trust in a physical and digital world to create a safer and more sustainable future.

创享价值, 激发信任

TÜV南德意志集团是值得信赖的合作伙伴, 可提供安全、可靠及可持续发展相关的解决方案。我们专注于提供测试、认证、审核及知识服务。集团在全球设立了1,000多个分支机构, 并拥有超过26,000名员工, 通过实现市场准入和风险管理, 为客户和合作伙伴创享价值。TÜV南德意志集团通过预测技术发展促进变革, 激发人们对物理和数字世界



Contact us to find out more
联系我们获得更多信息

TÜV SÜD China Headquarter 3-13F, No. 151 Heng Tong Road 200070, Shanghai China
TÜV南德意志集团中国总部 上海市恒通路151号3-13层, 200070,
+86 21 6141 0123 info.cn@tuvsud.com tuvsud.cn