



埃欧孚微生物
A&F Microbiology



A & F MICROBIOLOGY



你身边的“检测管家”
Be the customer's personal "test housekeeper"



公众号

埃欧孚（上海）检测技术有限公司
A&F (SHANGHAI) TESTING TECHNOLOGY CO., LTD.

地址：上海市闵行区光中路331号4楼 邮编：201108
电话：86-21-34978079 传真：86-21-52275913
网址：www.afts.com

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关于埃欧孚 About A&F

以可持续发展为使命，守护未来安全！
With sustainable development as the mission, protect the future security!

发展历程 Development Course

2019年9月广州办事处成立
2018年11月香港分公司成立
2018年05月获得CNAS/CMA认证

2021年5月获得IAC实验室认可
2019年08月环境检测事业部成立
2018年07月获得CPSC认证
2017年02月青岛办事处成立
2016年09月宁波办事处成立
2011年11月埃欧孚成立



专业的第三方检测机构 Professional Third-party Testing Agency

埃欧孚（上海）检测技术有限公司（简称“埃欧孚”）成立于2011年，是一家独立的第三方实验室。总部位于上海市，在香港、宁波、青岛、广州设有办事处。检测产品类型涵盖儿童用品和玩具、食品接触材料、纺织品、化妆品、轻工产品、电子电器、个人防护用品，环境中的水、气、土壤、噪声等，以及各类产品的微生物检测。

Established in 2011, A&F (Shanghai) Testing Technology Co., Ltd. is an independent third-party laboratory with headquarters in Shanghai, with offices in Hong Kong, Ningbo, Qingdao and Guangzhou. The types of testing products include children's products and toys, Food contact material, Textiles, Cosmetics, Hardgoods, Electronic and Electrical Product, Personal Protective Equipment, Water, Waste gas, Soil in the environment, and Microbial testing of various products.

独立的质量和安全管理机构 Independent Quality And Safety Services

作为一家独立的质量和安全管理机构，埃欧孚获得中国合格评定国家认可委员会CNAS（英文名称为：China National Accreditation Service for Conformity Assessment）资质认可；中国计量认证CMA（英文名称为：China Inspection Body and Laboratory Mandatory Approval）资质认定、美国消费品安全委员会CPSC（Consumer Product Safety Committee）资质认证以及国际抗菌协会IAC（International Antimicrobial Council）认证实验室。

As an independent quality and safety service organization, A&F has been awarded CNAS (China National Accreditation Service for Conformity Assessment) and CMA (China Inspection Body and Laboratory Mandatory Approval) certification by experts. In 2018, A&F became a third-party laboratory approved by the Consumer Product Safety Committee of the United States (CPSC). In 2021, the microbiology laboratory was certified by the International Antimicrobial Council (IAC).

个性化全方位的综合解决方案 Personalized all-round comprehensive solutions

埃欧孚秉承“以客户为中心”的服务理念，以技术能力为依托；致力于成为你身边的“检测管家”，助您实现可持续发展！

A&F adhering to the "customer-centric" service concept, relying on technical capabilities; Committed to become be the customer's personal "test housekeeper", to help you achieve sustainable development!

埃欧孚依据相关的法律、法规，为政府、咨询机构、工程公司和终端客户提供专业、开放、共享、高效的服务；埃欧孚核心成员曾长期任职知名第三方实验室，在业内拥有多年的实践经验，先进的管理理念；埃欧孚拥有精良的仪器设备，高效完善的服务体系。专注您身边的环境安全，为全球客户提供个性化全方位的综合解决方案。

A&F provides professional, open, shared and efficient services to governments, consultancies, engineering companies and end customers in accordance with relevant laws and regulations. With many years of practical experience in the industry, advanced management philosophy, sophisticated instruments and equipment, efficient and perfect service system, focus on environmental security around you, and provide global customers with personalized comprehensive solutions.



愿景 Vision



你身边的“检测管家”
Be the customer's personal "test housekeeper"

超越你的期盼，是我们的目标！
Exceed your expectations, is our goal!

公正严谨 准确高效 聚焦客户 持续改进
Integrity, Professional, Customization, Sustainability

以可持续发展为使命，守护未来安全！
With sustainable development as the mission, protect the future security!



1 纺织品检测 Textile



检测对象 / Testing Object

- 纤维 Fiber
- 纱线 Yarn
- 羽绒羽毛 Feather and Down
- 面料 Fabric
- 多孔材料、各种平面织物和制品等各类纺织类产品
Porous materials, all kinds of flat fabrics and products and other textile products

检测项目 / Testing Items

- 抗菌防霉性能测试 Antibacterial and mildew resistance test

检测标准 / Testing Standard

中国标准/Chinese Standard

- GB/T 31713-2015 抗菌纺织品安全性卫生要求
- GB/T 20944.1-2007 纺织品抗菌性能的评价 第1部分：琼脂平皿扩散法
- GB/T 20944.2-2007 纺织品抗菌性能的评价 第2部分：吸收法
- GB/T 20944.3-2008 纺织品抗菌性能的评价 第3部分 振荡法
- GB/T 24346-2009 纺织品防霉性能的评价
- GB/T 39104.2-2020 纺织品 抗菌性能的测定 第2部分：平皿计数法
- GB/T 23164-2008 地毯抗微生物活性测定
- FZ/T 73023-2006(2012) 抗菌针织品
- QB/T 2881-2013 鞋类和鞋类部件 抗菌性能技术条件

国外标准/Foreign standards

- ISO 20645-2004 Textile fabrics - Determination of antibacterial activity - Agar diffusion plate test (纺织织物抗菌能力的测定 琼脂扩散板试验)
- ISO 20743-2021 Textiles - Determination of antibacterial activity of textile products (纺织产品的抗菌活性测定)
- ISO 13629-2: 2014 Textiles - Determination of antifungal activity of textile products - Part 2: Plate count method (纺织品的抗真菌活性测定 第2部分：平板计数法)
- AATCC100:2019 Antibacterial Finishes on Textile Materials: Assessment of (纺织材料抗菌整理评价)
- AATCC 147-2011(2016)e Test Method for Antibacterial Activity of Textile Materials: Parallel Streak(纺织材料抗菌活性评估：平行条纹方法)
- AATCC 30-2017e Test Method for Antifungal Activity, Assessment on Textile Materials: Mildew and Rot Resistance of Textile Materials(纺织材料抗霉菌和抗腐烂性能的测试)
- AATCC 174-2011(2016)e Test Method for Antimicrobial Activity Assessment of New Carpets (新地毯抗菌活性评定的试验方法)
- ASTM E3160-2018 Standard Test Method for Quantitative Evaluation of the Antibacterial Properties of Porous Antibacterial Treated Articles(多孔抗菌处理物品抗菌性能定量评定方法)
- ASTM E2149-2020 Standard Test Method for Determining the Antimicrobial Activity of Antimicrobial Agents Under Dynamic Contact Conditions (动态接触条件下抗菌剂抗微生物活性测定方法)
- ASTM D4576-2016 Standard Test Method for Mold Growth Resistance of Wet Blue and Wet White (蓝湿革抗霉菌生长性试验方法)
- EN 1884-1998 Feather and down-Test methods-Determination of microbiological state (羽毛及羽绒试验方法微生物状态的测定)
- JIS L1902-2015 Testing for antibacterial activity and efficacy on textile products (纤维制品抗菌性试验方法、抗菌效果)
- IBRG TEX 13/005/1.05 (June 2020) Quantitative Method for Evaluating Bactericidal Activity of Textiles and Porous Materials and Articles(纺织品和多孔材料杀菌活性评价的定量方法)
- 同时具备国标、美标、欧标等标准的水洗能力
At the same time with GB , AATCC, ISO standards of washing capacity



2 材料类检测 Material

检测对象 / Testing Object

- 高分子材料 Polymer material
- 疏水材料 Hydrophobic material
- 塑料 Plastic
- 纳米无机材料 Nano inorganic material
- 涂料和漆膜 Paint films
- 金属 Metal
- 粉末 Powder
- 陶瓷等 Ceramics



检测项目 / Testing Items

- 抗菌防霉性能测试 Antibacterial and mildew resistance test



检测标准 / Testing Standard

中国标准/Chinese Standard

- GB/T 31402-2015塑料表面抗菌性能试验方法
- GB/T 24128-2018塑料防霉剂的防霉效果评估
- GB/T 21510-2008纳米无机材料抗菌性能检测方法
- GB/T 21866-2008抗菌涂料(漆膜)抗菌性测定法和抗菌效果
- QB/T 4341-2012 抗菌聚氨酯合成革抗菌性能试验方法和抗菌效果

国外标准/Foreign standards

- ASTM G21-2015(2021)e1 Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi (合成聚合材料抗霉性测定规程)
- ASTM E2180-18 Standard Test Method for Determining the Activity of Incorporated Antimicrobial Agent(s) In Polymeric or Hydrophobic Materials (测定聚合材料或疏水材料中掺入的抗菌剂活性的试验方法)
- ISO 22196-2011 Measurement of antibacterial activity on plastics and other non-porous surfaces (在塑料和其它无孔表面抗菌活度的测量)
- JIS Z2801-2010(2012) Antimicrobial products -- Test for antimicrobial activity and efficacy (抗菌加工产品—抗菌性试验方法、抗菌效果)



3 化妆品及一次性卫生用品检测

Cosmetics and disposable sanitary products

检测对象 / Testing Object

- 化妆品 Cosmetics
- 日化用品 Daily chemical product
- 一次性卫生用品 Disposable sanitary products

检测项目 / Testing Items

- 微生物清洁度测试 Microbial cleanliness testing
- 防腐功能测试 Antimicrobial effectiveness testing
- 抗(抑)菌测试 Antibacterial test



检测标准 / Testing Standard

中国标准/Chinese Standard

- 《化妆品安全技术规范》2015年版
- QB/T 2850-2007抗菌抑菌型洗涤剂
- QB/T 2738-2012日化产品抗菌抑菌效果的评价方法
- GB 15979-2002 一次性使用卫生用品卫生标准
- GB/T 24455-2009 擦手纸
- GB/T 20810-2018卫生纸(含卫生纸原纸)



国外标准/Foreign standards

- ISO 21149-2017 Cosmetics - Microbiology - Enumeration and detection of aerobic mesophilic bacteria 化妆品微生物学需氧嗜温性细菌的检测和计数
- ISO 16212-2017 Cosmetics - Microbiology - Enumeration of yeast and mould 化妆品微生物学酵母菌和霉菌的计数
- ISO 18416-2015 Cosmetics - Microbiology - Detection of Candida albicans 化妆品微生物学白色念珠菌的检测
- ISO 21150-2015 Cosmetics - Microbiology - Detection of Escherichia coli 化妆品微生物学大肠杆菌的检测
- ISO 22717-2015 Cosmetics - Microbiology - Detection of Pseudomonas aeruginosa 化妆品微生物学检测铜绿假单胞菌的检测
- ISO 22718-2015 Cosmetics - Microbiology - Detection of Staphylococcus aureus 化妆品微生物学金黄色葡萄球菌的检测
- ISO 11930-2019 Cosmetics - Microbiology - Evaluation of the antimicrobial protection of a cosmetic product 化妆品微生物学化妆品的抗菌防护评定
- USP 6162、BP16B、EP2.6.12&2.6.13 Microbial Enumeration tests& Test for specified microorganisms 微生物清洁度测试
- USP 51、BP 16C、EP 5.1.3 Preservative effectiveness 防腐能力测试

4 消杀产品类检测 Sterilization Disinfection Products



检测对象 / Testing Object

- 消毒剂 Disinfectant
- 紫外消杀设备 Ultraviolet disinfection equipment

检测项目 / Testing Items

- 对微生物杀灭效果 Verification of microbial killing effect

检测标准 / Testing Standard

- 《消毒技术规范》2002年版
- WS/T 650-2019 抗菌和抑菌效果评价方法
- GB 15981-1995 消毒与灭菌效果的评价方法与标准



5 玩具类检测 Toy

检测对象 / Testing Object

- 颜料 Paint
- 粘土 Clay
- 史莱姆 Slime
- 含有亲水性成分的玩具产品 Aqueous liquid toys
- 儿童用化妆品玩具 Cosmetic toys



检测项目 / Testing Items

- 微生物清洁度测试 Microbial cleanliness testing
- 防腐功能测试 Antimicrobial effectiveness testing

检测标准 / Testing Standard

- ASTM F963-2017 Standard Consumer Safety Specification for Toy Safety 8.4
清洁和防腐效果测试
- EC-type approval protocol No. 2 Microbiological safety of toys containing aqueous media REV 3
欧盟含水溶液玩具微生物安全性法规





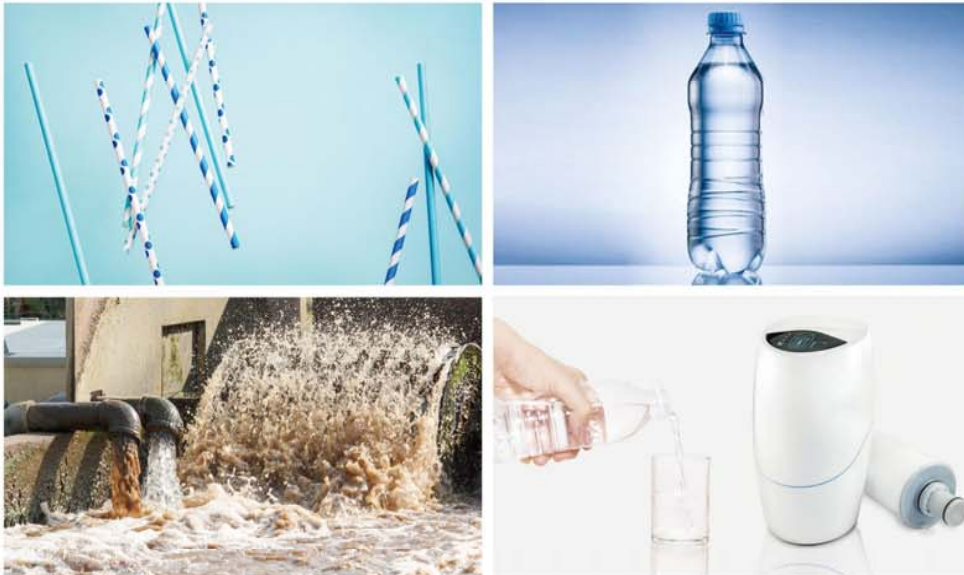
6 其他微生物测试项目 Others

检测对象 / Testing Object

- 食品接触材料 Food contact material
- 环境 Environment
- 涉水产品 Products involved drinking water

检测项目 / Testing Items

- 微生物相关测试 Microbiological related tests



检测标准 / Testing Standard

- GB/T 18006.1-2009 塑料一次性餐饮具通用技术要求
- GB 4806.6-2016 食品安全国家标准食品接触用纸和纸板材料及制品
- GB 14934-2016 食品安全国家标准消毒餐(饮)具
- EN1104:2018 食品接触的纸张和板材材料和物品中转移抗菌成分的方法
- GB 7959-2012 粪便无害化卫生要求
- GB 5750.12-2006 生活饮用水标准检验方法微生物指标
- CJ/T 221-2005 城市污水处理厂污泥检验方法
- HJ 1000-2018 水质细菌总数的测定平皿计数法
- HJ 347.1-2018 水质粪大肠菌群的测定滤膜法
- HJ 347.2-2018 水质粪大肠菌群的测定多管发酵法
- 实验室方法—涉水产品微生物去除率
- 实验室方法—涉水产品大肠杆菌MS噬菌体去除率
- 其他企业方法或是个性化定制测试等

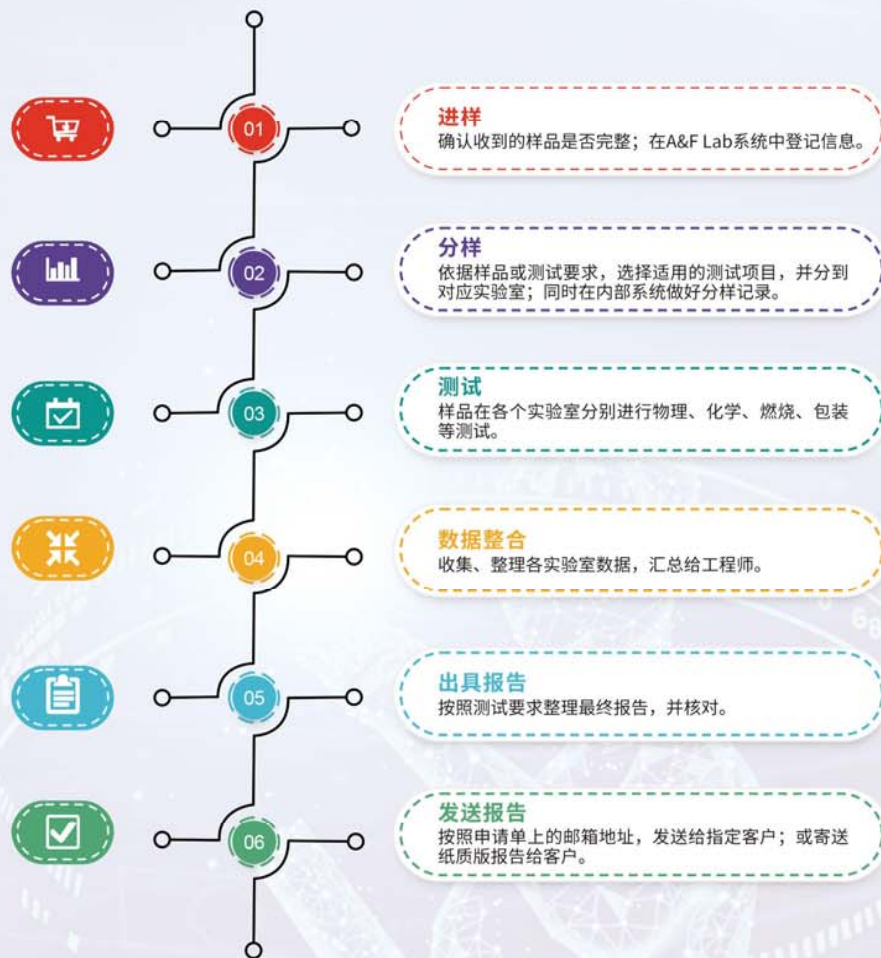
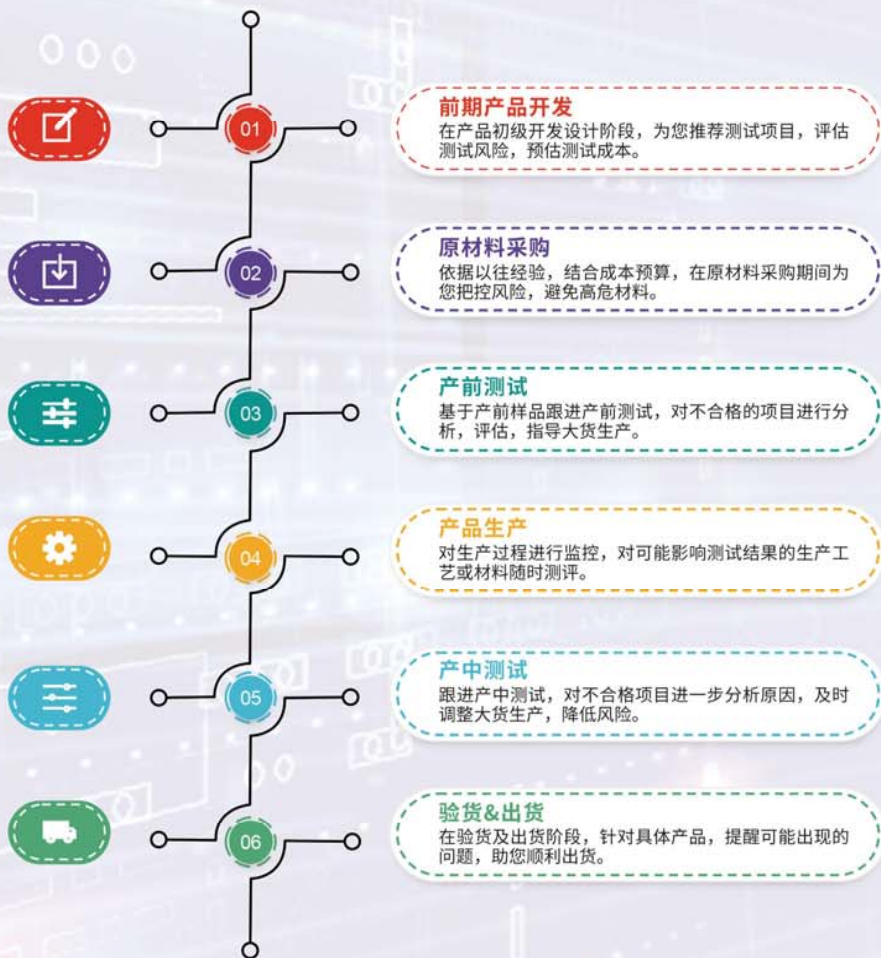


一站式服务

One-stop service

服务流程

Service process



A 玩具及儿童产品
Toys And Children's Products

B 食品接触材料
Food contact material

C 化妆品
Cosmetics

D 纺织品
Textile

E 轻工产品
Hardgoods

F 电子电器
Electronic And Electrical Product

G 个人防护用品
Personal Protective Equipment

H 环境检测
Environmental Testing

I 微生物
Microbiological