

天鉴测试 公正品质

Impartiality & Notarizing for Quality

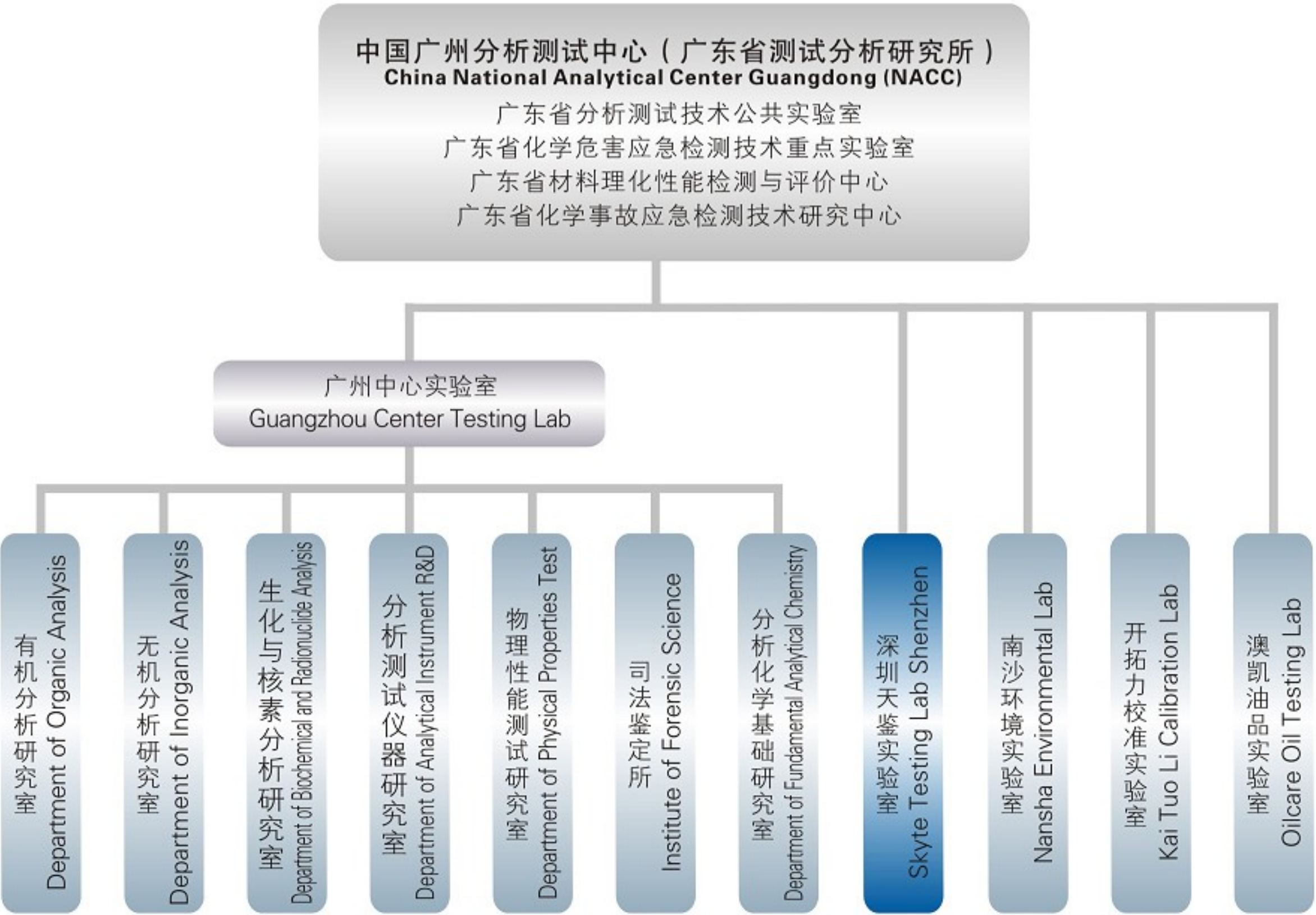


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广东省测试分析研究所成立于1972年，其前身是成立于1960年的广东省中心试验站。1985年，经国家科委和广东省人民政府批准，在广东省测试分析研究所的基础上建立了国家级的分析测试中心——中国广州分析测试中心（简称中广测NACC），作为以理化分析测试为重点的综合性研究和服务机构，已有50多年历史。中广测于1990年通过省级计量认证，1991年通过国家级计量认证，2001年通过中国实验室国家认可。经过多年的发展，中广测目前已成为通过国家级资质认定（CMA）和国家认可（CNAS）的第三方检测、校准实验室和A类检查机构，可向社会提供具有法律效力的分析测试报告。

Guangdong Institute of Analysis (GIA) was established in 1972. Its predecessor was Guangdong Central Testing Laboratory founded in 1960. In 1985, China National Analytical Center, Guangzhou (NACC), a state level analysis and testing center, was established based on GIA, acting as a comprehensive research and service organization focusing on physical and chemical tests and it has been operating over 50 years. NACC obtained provincial-level and state-level metrological certification in 1990 and 1991 respectively. In 2001, is passed China National Laboratory Accreditation. Through years of development, NACC now has become a third-party testing and calibration lab, Type A inspection organization with accreditation of CMA, CANS. And it can provide analysis and test report with legal effect for proofing purpose.



深圳市天鉴检测技术服务有限公司（中国广州分析测试中心深圳天鉴实验室），简称“天鉴测试”（SKYTE），是以NACC为主要投资方成立的国内较早的第三方检测机构，作为专业化学、物理及生物有害因素检测与评价专业技术服务机构。目前，SKYTE重点开展建设项目职业病危害评价（预评、控评及现评）、职业病危害因素检测与评价和放射防护检测与评价等职业卫生技术服务，以及环境中各类水、空气、土壤、固废等日常监测和环评检测，还开展各类消费品及工业品的国际国内法规限用有害物质检测，涉及电子电器、玩具及儿童产品、纺织品、食品及包装接触材料、农产品、化妆品、化工产品、医药产品等行业。

“天鉴测试”（SKYTE）始终以保障“质量、安全、环保、健康”的人类共同理想为使命！坚持走专业化管理、市场化导向、商业化服务、国际化发展的道路，公司自成立以来即在NACC的技术支撑和管理体系下运作，随着技术水平的不断提高和管理体系的不断完善，已独立获得多项国内外专业资质，检测报告得到国际国内广泛认可，得到了政府机构及国内外众多知名品牌的信赖和支持，并致力于成为QHSE（质量健康安全环保）专业技术服务中国一流品牌！

SKYTE Testing Services Co., Ltd (Shenzhen SKYTE Testing Lab, China Analytical Centre GuangZhou) ‘SKYTE’ in short, which is mainly founded by NACC, being one of the earliest third party professional testing and evaluation service provider on chemical, physical and biological harmful factors, the main service scope include construction project occupational hazard evaluation (pre-evaluation, control effect evaluation, existing situation evaluation), occupational disease inductive factors detection and evaluation, radioactive protection detection and evaluation, SKYTE also provide product testing service according to the worldwide regulation and standard which covering the field of electrical and electronic, toys and children products, textiles, food container material, food, agricultural products, cosmetics, chemicals, medical products, etc.

SKYTE always uphold the human common ideal of ensuring quality, safety, green environmental, healthy as its mission, adhere to direction of professional management, market orientation, customer focus service, international network, Since the beginning, SKYTE was covered by THE management system of NACC and supported by the technical experience of NACC, Along with the development in management level and technical ability and capability during the past years, SKYTE obtained independently several domestic and foreign qualifications and certifications, its test report is being widely recognized by worldwide well-known brand clients and government organization, the target of SKYTE is being the top brand of professional technical service provider in QHES(Quality, Health, Safety, Environmental) in China.

发展历程 Development process

1. “天鉴测试”（SKYTE）于2004年11月在深圳高新区成立，与哈工大共建“深圳市环境污染控制重点实验室”。
2. 2005年4月作为NACC下属分支机构“深圳天鉴实验室”对外开展检测服务,以开展RoHS检测，取得了国内外众多知名品牌客户认可，如SONY、SAMSUNG、LG、FOXCONN、MICROSOFT、PHILIPS等。
3. 2008年成为MATTEL供应商，并与意大利CST Notified Body实验室建立了长期合作关系。
4. 2009年9月整体搬迁至深圳宝安区甲岸科技园4000平米的全新实验和办公场地，并开始资质转换。
5. 2010年起“天鉴测试”启用新的公司LOGO，英文简称由“STS”改为“SKYTE”。
6. 2010年5月取得实验室认可资质（CNAS L4549）
7. 2010年12月取得计量认证资质（CMA2010191807Z）
8. 2011年3月取得美国消费者协会CPSC认可
9. 2012年共获三项广东省职业卫生技术服务资质

经过八年的发展，目前，天鉴实验室获得认可的检测项目参数达820项，涉及标准910项，实验室配备有各种先进的光谱仪、色谱仪、色质联用仪、环境及职业卫生检测采样设备、前处理设备和设施、微生物检测设备和设施。同时，SKYTE的客户服务也随着公司的发展不断扩展，现已建立起意大利、香港、佛山、中山、惠州、汕头、武汉、成都业务办事处。

1. In Nov.,2004, SKYTE was found in Hi-tech park of Shenzhen, cooperated with Harbin University of technology in setting up ‘Shenzhen water resources utilization and environmental pollution control lab’
2. In Apr.,2005,SKYTE started to provide testing service as the branch lab of NACC mainly for RoHS business, the test report is recognized by renowned brands client such as SONY、SAMSUNG、LG、FOXCONN、MICROSOFT、PHILIPS,etc
3. In 2008,SKYTE was approved by Mattel as qualified toy testing service provider, established cooperation with European notified body Italian CST lab
4. In Sep., 2009, SKYTE moved to new place locate in Baoan JiaAn Technology Park and total area enlarged to 3,800 square meter
5. In 2010, company logo changed from ‘STS’ to ‘SKYTE’
6. In May,2010,SKYTE obtained CNAS(NO.L4549) certification independently
7. In Dec.,2010,SKYTE obtained CMA certification(NO 2010191807Z) independently
8. In Mar.,2011,SKYTE obtained CPSC approval independently
9. In 2012,SKYTE obtained three qualification for Occupational health technical service organization

Through eight years development, the accredited scope of SKYTE reached over 820 in testing parameters, over 920 in testing standards, The lab has been equipped with various advanced analytical instrument such as spectrometer, chromatographic instrument, various type apparatus and facilities for environmental and occupational sampling and detection, sample pretreatment, microbiological testing. The service network expanded to different area including Italy, Hongkong, Foshan, Zhongshan, Huizhou, Shantou, Wuhan, Chendu, etc.

资质认可 Certification and Qualifications

- ▶ CNAS及CMA认证认可实验室
CNAS accredited lab
CMA certificated lab
- ▶ 美国消费品安全委员会(CPSC)“第三方符合性评估机构”
Consumer Product Safety Committee (CPSC) registered & accredited 'Third party conformity assessment body'
- ▶ 广东省职业卫生技术服务机构
Guangdong occupational health technical service organization
- ▶ 深圳市食品与药物监督管理局“食品化妆品检测合作实验室”
Authorized as 'Cooperation laboratory of food and cosmetics' by Food and Drug Administration of Shenzhen
- ▶ 美的集团“分析测试合作实验室”
Cooperation labratary for analysis and testing of Media Group
- ▶ 广东省职业健康协会理事单位
广东省分析测试协会理事单位
深圳市分析测试协会合作单位
Member of Guangdong occupational health association
Member of Guangdong analysis and testing association
Member of Shenzhen analysis and testing association
- ▶ 三星、LG、Microsoft、富士康等知名电器品牌认可及合作实验室
Recognized and cooperation laboratory of famous electrical of company (e.g. Samsung, LG, Microsoft, Foxconn etc.)
- ▶ 美国宝洁(P&G)指定材料实验室
Designated material laboratory of P&G
- ▶ 国家环保总局“危险性固废豁免评估合作实验室”
Authorized as 'Cooperation laboratory of hazardous wastes exemption assessment' by Ministry of Environmental Protection of China



新修订的“职业病防治法”已于2011年12月31日正式公布，该修正案进一步明确了政府各部门的监管职责和用人单位作为职业病防治责任主体所应承担的法律责任。在新的形势下用人单位预防职业病的发生既是法律法规的要求，也是用人单位和谐劳资关系，增强法律意识和职业病危害风险所必须采取的主动行动。

截止2013年1月1日SKYTE已取得职业卫生技术服务资质如下：

1.建设项目职业病危害评价（乙级）

2.职业病危害因素检测与评价

3.放射防护检测与评价

目前，SKYTE已成为广东省取得上述资质最早、职业卫生资质最全、评价与检测综合实力最强的第三方职业卫生技术服务机构，可以为广大客户提供现场调查、技术方案的制定、采样、职业病因素的识别与分析、出具评价报告、职业卫生咨询等一站式专业服务，公司将以严谨求实、客观公正的态度致力于为企业、劳动者和政府等相关方创造共赢的局面，为社会和谐与进步做出应有贡献！

The newly revised"code of Occupational Disease Prevention of PRC"was officially published on Dec 31,2011,which further clarified the legal supervisory responsibilities of various government departments, as well as the legal prevention responsibility that employer should bear.Under the new situation, prevention of occupational diseases is not only a legal requirement, but also an initiative action that employer should take to harmonize labor relations, enhance awareness of legal regulations and occupational hazards.

By January 1, 2012, SKYTE has obtained qualifications as follows:

1.Construction Project Evaluation(class B)

2.Occupational–Disease–Inductive Factors Detection and Evaluation

3.Radioactive Protection Detection and Evaluation

Recently, as the earliest one with most qualifications, SKYTE has become the most competent third party occupational health organization in Guangdong province. We can provide one–stop occupational health technical service including on–site survey, technical proposal development, on–site sampling, occupational disease inductive factors identification and detection, on–site and lab testing, evaluation report, occupational health consulting, etc. Under the guidance of rigorous and impartial quality policy, SKYTE strive hard to help client to create a win–win situation between enterprise, workers and government

SKYTE汇聚了一批经验丰富的职业卫生技术专家，凭借专业的技术人员和现代化的分析仪器，雄厚的化学分析测试能力，通过提供专业准确的数据和客观有效的建议，帮助客户解决职业健康工作中的实际问题，防范及减少职业危害风险，防止职业病的发生，我们的服务包括：

A;建设项目评价：新建、扩建、改建、技术改造项目的职业病危害预评价、控制效果评价；现有企业职业病危害现状评价。

B.日常检测评价：工作场所职业病危害因素检测，检测评价能力包括：

化学危害因素：粉尘总尘、呼尘、游离二氧化硅等项目的检测与评价，生产性毒物：正己烷、异丙醇、乙醚、甲醛、乙酸乙酯、苯酚、苯系物、溶剂汽油、甲醇、丙酮以及铅、锌、铜、锰、汞等有机类化合物和一氧化氮、二氧化氮、氨、硫化氢、氟化物等一百余种主要化学危害因素的检测与评价；

物理危害因素：高温、噪声、紫外辐射、工频电场等项目的检测与评价。

C.放射检测评价：工作场所放射防护检测与评价，检测评价能力包括：x射线， γ 射线等。

By gathering a group of experienced occupational health technical experts and professional technical staff, relying on advanced analytical instrument, strong chemical testing ability and capability, we help client to resolve occupational health problems by providing accurate data, professional assessment and consultation, and to prevent risk of occupational hazards and reduce occurrence of occupational disease.

A. Construction Project Evaluation: Pre–evaluation, control effect evaluation for new construction project, enlargement ,re–design, technological upgrading construction project; Existing situation evaluation for in use construction project.

B. General Detection and Evaluation: Workplace occupational disease inductive factors detection and evaluation, including the below normal factors:

Harmful chemical factors: Total dust, Respiratory dust, Free silica, Hazardous substances used in production including N–hexane, Isopropyl alcohol, Ether, Formaldehyde, Ethyl acetate, Phenol, BTEX, Solvent gasoline, Methanol, Aceton, Lead, Zinc, Copper, Manganese, Mercury, other organic compound such as Nitric oxide, Nitrogen Dioxide, Ammonia, Hydrogen Sulfide, Fluoride, etc

Harmful physical factors: High temperature, Noise, Ultraviolet radiation, Electrical field, etc.

C. Radioactive Protection Detection and Evaluation for workplace including testing for X–ray, γ –ray



近年来，日益严重的环境污染问题引起了各界的广泛关注，对环境污染物的分析和监测也被逐渐重视。
SKYTE可根据国家及地方相关标准和法规要求提供环境安全监测服务保障您生活和工作环境的健康安全。

The increasing serious enviromental pollution problems has drawing more and more attentions all over the world, The analysis and monitor for substances causing enviromental pollution, has become more and more important accordingly. SKYTE can provide enviromental safety monitor service base on the national and local standard & regulation to ensure you healthy and safety in everyday life and work enviroment.

工矿企业“三废”污染监测：
Monitoring on three waste pollution (waste gas, waste water and waste residues) of industrial and mining enterprises.

工业废气、食堂油烟、污染源废气、厂界空气、工业废水、生活废水有机、无机污染物监测分析；ISO14000认证监测；生产车间空气有机、无机污染物监测分析；照度检测；固体废弃物检测。
Waste gas, canteen smoke, pollution gas, in-plant atmosphere, industrial wastewater, organic / inorganic pollutants monitoring of household wastewater, ISO14000 certification and monitoring; air organic and inorganic pollutants monitoring and analyzing of production workshop ,illumination detection; solid waste testing.

环境影响评价监测 Environmental influence Assessment and Moitoring:

环境空气、地表水、地下水、土壤中有有机、无机污染物监测分析和微生物分析；土壤氡浓度检测；环境放射性监测评价、核电站环境监测及放射性监测。
Monitorng and microbiological analysis on ambient air, surface water, groundwater, soil organic and inorganic pollutants; Detection of soil radon concentration;environmental radioactivity monitoring and evaluation, environmental monitoring and radiation monitoring of nuclear power plants.

噪声监测 Noise monitoring:

厂界噪声、建筑场界噪声、交通噪声、区域环境噪声、职业噪声。
In-factory noise, construction site Noise, traffic noise, regional environmental noise, occupational noise.

室内（车内）环境空气质量检测 Indoor (in-vehicle) air quality testing:

甲醛、氨、氡、苯及苯系物、挥发性有机物、臭氧、二氧化硫、氮氧化物、新风量、二氧化碳、一氧化碳、微生物等。
Formaldehyde, ammonia, radon, benzene and benzene, volatile organic compounds, ozone, sulfur dioxide, nitrogen oxides, fresh air, carbon monoxide, carbon dioxide, microbes, etc.

中央空调系统微生物污染监测 Central air conditioning system microbial contamination monitoring:

对不同类型空调过滤网、空气积尘的细菌总数、霉菌总数、军团菌、溶血性链球菌、金黄色葡萄球菌、芽胞杆菌进行检测，对中央空调冷却循环水的军团菌进行检测、鉴定。
Testing will be conduct on different types of air conditioner filters, total bacterial count of air dust, toal mildew, legionella, haemolytic streptococcus, staphylococcus aureus and bacillus; Proceed the testing and identifying on legionella for cooling circulating water of central air conditioner.

建筑和装饰材料有害物质及放射性核素分析：
Hazardous substance and Radionuclide analysis on building and decorative materials:

甲醛、挥发性有机物、铀、镭、钍、钾、外照指数、内照指数等。
Formaldehyde, volatile organic compounds, uranium, radium, thorium and potassium, internal exposure index, external exposure index.



随着世界经济的稳步增长，玩具产品的消费需求日渐扩大。作为全球最大的玩具生产地，中国年出口玩具总额超过170亿美元；与此同时，基于健康与安全的初衷，世界各国或地区都建立了严格的玩具管制标准与法规，并且不断加以更新、细化。玩具安全引发的诉讼事件此起彼伏，相关法规的制裁也日趋严厉，给制造商、进口商和零售商带来了巨大的挑战。

SKYTE凭借先进的测试设备，丰富的玩具安全知识和测试经验，针对客户的市场需求，根据各种玩具法规标准提供玩具安全测试服务。

Along with the steady growth of world economic, The consumption demand of toy increased greatly. As the global biggest toy production region, China's yearly total amount of toy export has exceed 17 billion US dollars; Meanwhile in the view of health and safety, various countries or areas in the world have established strict toy control standards, laws& regulations, which are been updating and subdividing unceasingly. Lawsuit case caused by toy safety is reported more and more frequently, sanctions of relevant laws & regulations is also becoming severe continuously, which has brought huge challenge to the manufacturers, the importers and the retailers .

Depending on advanced testing instruments, rich toy safety knowledge and testing experience, SKYTE offer toy safety testing per various toy standards according to our client's market demand.

测试项目 Test Item	测试标准 Testing Standard						
	欧盟 EU	美国 USA	加拿大 Canada	日本 Japan	澳大利亚 新西兰 AU/NZ	中国 China	其它地区 Other areas
机械与物理试验 Mechanical & physical	EN71-1	ASTM F963 CPSC	CHPA, CHPTR (C.R.C.,c.931)	ST2002 Part 1	AS/NZS ISO8124-1	GB6675 Appendix A, GB5296.5,GB14746, GB14747,GB14748, GB14749,GB21027	ISO8124-1
易燃性试验 Flammability	EN71-2	ASTM F963 CPSC	CHPTR (C.R.C.,c.931)	ST2002 Part 2	AS/NZS ISO8124-2	GB6675 Appendix B	ISO8124-2
重金属元素试验 Heavy metal elements	EN71-3,EN1122,RoHS	ASTM F963, 16 CFR 1303, CPSIA HR4040	CHPA	ST2002 Part 3	AS/NZS ISO8124-3	GB6675 Appendix C, GB21027	ISO8124-3
有机化合物试验 Organic compounds	EN71-9, 76/769/EEC, Phthalates, AZO DYE, RoHS, Formaldehyde, phenol, REACH	CPSIA HR4040, ASTM F963 D4236(LHAMA), TRA	CHPA	Toys of Japan food Sanitation Law-1992	AS/NZS ISO8124	GB21027 GB18401	—
电磁电动试验 Electromagnetism & electro motion	EN 62115, EMC, R&TTE	ASTM F963, 16 CFR 1505, FCC	CHPA, CHPTR (C.R.C.,c.931)	ST2002	—	GB 19865	IEC 62115
微生物试验 Microorganism	80/778/EEC	USP 51, USP61	—	—	—	—	—



近年来，电子电器产品中的有害物质所引发的健康及环境危害问题被广泛关注，为限制其中特定有害物质的使用，欧盟率先颁布了RoHS指令(2002/95/EC)，并于2007年6月1日进入正式实施阶段，其后美国、中国、日本、韩国的RoHS指令也相继颁布出台，相关环保法规的日趋严格和不断完善，给电子电器产品的制造商、经销商带来了巨大的挑战。

SKYTE可依据各国的环保法规标准提供有害物质含量测试服务，并可帮助您制定有害物质管控方案，帮助您的产品符合相关法规的要求，从而顺利赢得市场。

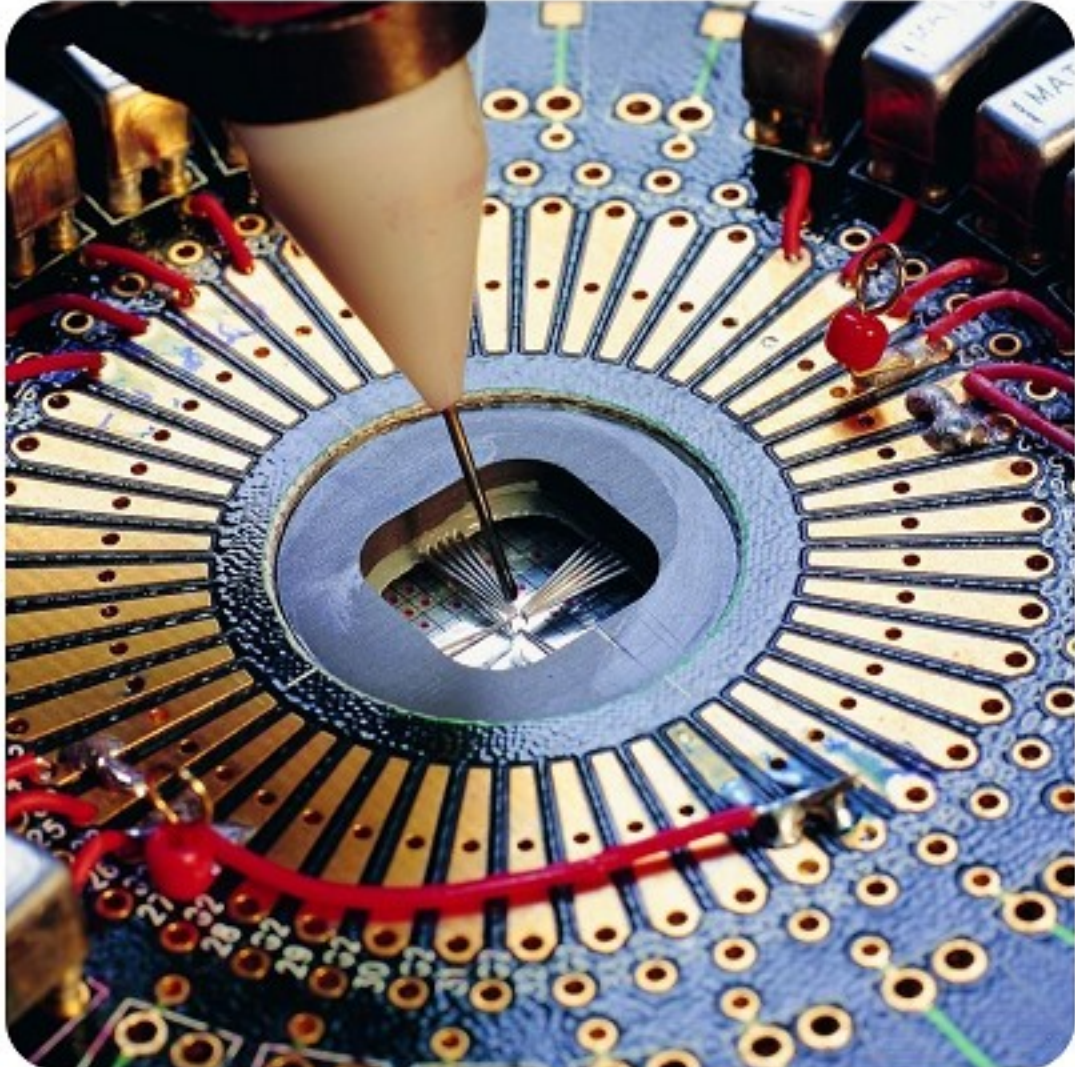
In recent years, The concern about health hazard and environmental pollution caused by harmful substances of electrical & electronic products are widespreading, In order to restrict the use of certain hazardous substances in E&E products, EU take the lead in publishing the RoHS Directive (2002/95/EC) and officially implement the directive from June 1, 2007, United States, China, Japan, South Korea also released their RoHS directive successively, With these rigorous enviromental protection regulation being updated continuously, the manufacturers and retailers of electrical & electronic products is facing increasing challenge.

SKYTE provide testing service and comprehensive solution for the control of hazardous substances in E&E products, support our client's success in enviroment-friendly and success in golobal market.

法规名称 Regulation	限制物质 Restriction Substances
欧盟(EU) RoHS (2002/95/EC)	Pb Cd Hg Cr ⁶⁺ PBB PBDE
挪威 Norway PoHS	双酚A、三氯生等10种物质 Bisphenol A, triclosan etc. 10 substances
德国GS认证强制要求PAHs测试 PAHs Testing required by Germany GS certification	萘、苯并(a)芘等16种物质 Nap,Bap,etc. 16 substances
PFOS 指令(Directive) (2006/122/EC)	全氟辛烷磺酸盐/PFOS
REACH (1907/2006/EC)	第一批15种高度关注物质 The first batch 15 SVHC 第二批15种高度关注物质 The second batch 15 SVHC

其它有害物质检测
Other Hazardous Substances Testing

非政府组织或协会 Non-Governmental Organizations & Associations	限制物质 Restriction Substances
《蒙特利尔议定书》 Montreal Protocol on Substances that Deplete the Ozone Layer	氟氯烷烃(CFCs)，海龙(Halon)， 氢氯氟烃(HCFCs)，氢溴氟烃(HBFCs)
《斯德哥尔摩公约》 Stockholm Convention on Implementing International Action on Certain Persistent Organic Pollutants	艾氏剂、狄氏剂、异狄氏剂、滴滴涕、七氯、氯丹、 灭蚊灵、毒杀芬、六氯苯、多氯联苯、二恶英和呋喃 Aldrin, dieldrin, endrin, DDT, heptachlor, chlordane, mirex, toxaphene, hexachlorobenzene, PCBs , dioxins and furans
IEC印制板材料法规 IEC61249-2-21 Materials for printed boards and other interconnecting structures – Part 2-21	总氯(Total chlorine) < 900ppm 总溴(Total bromine) < 900ppm 总氯(Total chlorine) + 总溴(Total bromine) < 1500ppm
JPCA (Japan Printed Circuit Association) 日本电路板协会	总溴(Total bromine)< 900ppm 总氯(Total chlorine)< 900ppm
国际印刷电路组织 Association Connecting Electronics Industries	在2006年6月修正IPC-4101B， 卤素限制要求同IEC 61249-2-21 IPC-4101B revised in June, 2006, the limit requirement of halogen is same as IEC 61249-2-21
美国各州法案 State Act of Unite States	五溴联苯醚、八溴联苯醚 Pentabromobiphenyl ether Octabromobiphenyl ether



欧盟《关于化学品注册、评估、许可和限制法规》(REACH法规)已于2007年6月1日开始全面实施。
REACH是一套统一的化学品管理法规，涉及约3万种化学物质，其主要内容如下：

EU regulation of Registration, Evaluation, Authorisation and Restriction of chemicals (REACH) has entered into force on 1 June, 2007. REACH is a unified set of chemicals administrative regulation, involving about 30,000 kinds of chemical substances, its main contents are as following:

- ▶▶ 年生产量或进口量达到或超过1吨的所有“现有”或“新”的化学物质都要进行注册
A registration should be submitted if the 'existing' or 'new' substance is produced or imported in EU in quantities totalling over 1 tonne per producer or importer per year.
- ▶▶ 通过安全数据表(SDS)加强供应链中信息的流通
Reinforce the information transmission in supply chain through safe data sheets.
- ▶▶ 对部分已注册物质进行评估
Evaluations will be performed on certain registered substance.
- ▶▶ 高度关注物质(SVHC)的使用和投放市场必须经过许可
Any producer or importer of an article containing a substance of very high concern should get a warrant for use or placing in the market of such an article.
- ▶▶ 对不被接受物质的限制
Restriction the manufacturer placing on the market or use of a unacceptable substance.
- ▶▶ 成立化学品管理局(ECHA)来管理整个系统
A European Chemicals Agency is established for ensuring effective management of the whole system.

REACH几乎涵盖了所有出口到欧盟的产品(除了食品、药品和农药)，应对REACH 法规的要求，供应链中的各个环节都需承担相应的义务：

REACH almost covers all products which will be exported to EU (excluding food, drugs and pesticides), in order to cope with REACH regulations, all departments of the supply chain will undertake the corresponding obligations:

- ▶▶ 化学品供应商：传递化学品信息、提供SDS
Chemical supplier: Transferring information of chemical and providing safe data sheets.
- ▶▶ 原材料供应商：收集化学品信息、传递化学品信息、检查是否存在SVHC
Raw material supplier: Collecting and transmitting the information of chemical, checking if there is SVHC exist in material or not.
- ▶▶ 非欧盟物品制造商：收集化学品信息、传递化学品信息、按照要求进行预注册、通知存在的SVHC
Non-EU manufacturer: Collecting and transmitting the information of chemical, proceeding pre-registration per related requirement and informing the existing SVHC.
- ▶▶ 品牌商：按照要求进行预注册、收集/通知存在的SVHC、收集SDS作准备、通报计算、证明尽忠职守
Brands: Proceeding pre-registration per related requirement, collecting and informing the existing SVHC, gathering safe data sheets as preparation, reporting and calculating, responsibility certification.
- ▶▶ 零售商：按照要求进行预注册、收集/通知存在的SVHC、收集SDS作准备、通报计算、证明尽忠职守
Retailer: Proceeding pre-registration per related requirement, collecting and informing the existing SVHC, gathering safe data sheets as preparation, reporting and calculating, responsibility certification.

相关服务 Relevant Service

SKYTE凭借化学检测领域的专才和丰富的化学测试经验为您提供以下REACH解决方案：

With expertise in chemistry and extensive experience in chemical testing, SKYTE provide below solution of REACH for you:

- ▶▶ 物质/配制品/物品中SVHC扫描及定量测试
SVHC scan and quantitative detection on substance / preparations / articles
- ▶▶ 安全数据表(SDS)的制作
Compilation of the safe data sheets (SDS)
- ▶▶ 化学文件管理系统审核
Auditing the chemical document management system
- ▶▶ REACH法规培训与咨询
Providing training and consulting of REACH regulation

食品的安全是关系着人们生命健康和国计民生的重大问题。从农田到餐桌，每个环节都会影响食品的品质与安全，保证食品质量，降低产品风险，食品的安全检测对生产销售企业来说显得非常重要！SKYTE凭借先进的测试设备和丰富的测试经验，为您提供可靠的、一站式的食品、保健品检测服务，为您的产品质量提供保证，确保您的产品顺利进入全球市场。

Food safety is a significant issue for its crucial connection with people's health and life. The quality and safety of foods rely in the good control of every aspect from farm to table. Therefore, it becomes more and more important for producer and distributor to perform food safety testing in order to minimize production risk and ensure food quality. Relying on advanced testing equipments and rich testing experience, SKYTE is able to provide reliable and one-stop testing service for foods & heath products to guarantee the quality of our client's products, and to ensure our client's smooth access to the global market!

服务项目主要包括 Service Items Mainly Including:

- 营养成分分析：蛋白质，脂肪，碳水化合物，胆固醇，糖，膳食纤维，维生素，钙，钠，钾，镁，铁，锌等矿物质
- 一般理化项目：水分，灰分，酸价，过氧化值，亚硝酸盐，甲醇，乙醇，总脂，酒精度，杂醇油，二氧化硫，相对密度，pH值等
- 重金属及微量元素：铅，砷，无机砷，汞，甲基汞，铜，镁，锌，锡，钙，铬，镉，磷，氟，碘，硒，钾，钠，铝，铁，锰等
- 食品添加剂：山梨酸，苯甲酸，胭脂红，苋菜红，柠檬黄，日落黄，诱惑红，亮蓝；糖精钠，甜蜜素，叔丁基羟基茴香醚，二叔丁基对甲酚，植酸，TBHQ，亚硫酸盐，二氧化硫，硝酸盐，亚硝酸盐，过氧化苯甲酰，磷酸盐等
- 水产品测试：苯并[a]芘，多氯联苯，甲基汞，乙二胺四乙酸，组胺，三甲胺，多聚磷酸盐，孔雀石绿等
- 食品农药残留测试：有机磷，有机氯，拟除虫菊酯类，氨基甲酸酯类等400余种
- 食品兽药残留测试：氯霉素，土霉素，金霉素，四环素，硝基呋喃，磺胺类，盐酸克伦特罗等
- 微生物检测：细菌总数，大肠菌群，霉菌和酵母菌，大肠杆菌，志贺氏菌，金黄色葡萄球菌，沙门氏菌等

- Nutrition label: Protein, fat, carbohydrate, cholesterol, sugar, dietary fiber, vitamin, calcium, sodium, kalium, magnesium, iron, zinc and so on mineral materials.
- General physical and chemical items: Moisture, ash, acid value, peroxide value, nitrite, methanol, ethanol, total fat, alcohol degree, fusel oil, sulfur dioxide, relatively density, pH value and etc.
- Heavy metal and trace elements: Lead, arsenic, inorganic arsenic, mercury, methyl mercury, copper, magnesium, zinc, tin, calcium, chromium, cadmium, phosphor, fluorine, Iodine, selenium, potassium, sodium, aluminum, iron, manganese.
- Food additives: Antiseptic: sorbic acid, benzoic acid. Colorant: Kermes red, amaranth red, lemon yellow, Japan yellows, entices red, light blue Sweetening agent: sodium saccharine, sodium cyclamate. Antioxidant: 2(3)-tert-butyl-4-hydroxyanisole, di-tert-butylp-cresol, phytic acid, TBHQ. Decolourant: Sulfite, sulphur dioxide. Color fixative: nitrate, nitrite. Flour treatment agent: Benzoyl peroxide Humectant: phosphate etc.
- Aquatic product testing: Benzo(a)pyrene, polychlorinated diphenyl, methyl mercury, ethlene diamine tetraacetic acid, histamine, trimethylamine , polyphosphate, malachite green etc.
- Food pesticide residue testing: Over 400 kinds of substances determination on organic phosphorus, organic chlorine, pyrethrum ester, carbamates etc.
- Food veterinary medicine residue testing: Chloromycetin, terramycin, aureomycin, tetracycline, nitrofurant, sulphonamide, clenbuteral and etc.
- Microbial testing: Total plate count, coliform colony, mold and the saccharomycetes, bacillus coli, shigella bacterium, golden color staphylococcus, salmonella bacillus etc.



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 regualtion 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or 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
.....

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.

化妆品的安全问题一直都备受关注，各国已经建立了严格的法规和指令来保障公众在使用化妆品方面的安全。SKYTE依据国内外相关标准为您提供各种化妆品原料、成品及日化用品的安全检测，其中包括出口到欧洲和美国的化妆品的安全测试：

The issue of cosmetic safety has been paid more and more attentions all over the world. Meanwhile, many countries have published restrict laws, regulations and directives to guarantee the public safety in using cosmetics. SKYTE is able to provide comprehensive testing services on cosmetic raw material, finished goods and daily health products,including the testing for cosmetic products exported to Europe and US .

欧盟 76/768/EEC(EU)	美国 FDA(USA)
产品的标签检查 Product labeling review	产品的标签检查 Product labeling review
毒性金属元素分析 Toxic elements analysis(Pb, Cd, As, Hg, Sb)	毒性金属元素分析 Toxic elements analysis (Pb,Hg)
防腐剂的有效性测试(BP/EP) Efficacy of anti-microbial preservative(BP/EP)	防腐剂的有效性测试(USP<51>) Antimicrobial preservative effectiveness USP<51>
微生物污染测试(BP/EP) Microbial contamination(BP/EP)	微生物污染测试(USP<61>) Microbial limits Testing USP<61>
毒性评估(TRA-EU) Toxicological risk assessment	动物的毒性和敏感性测试或是毒性评估(TRA-US) Animal toxicity and irritation Testings or toxicological risk assessment
产品包装信息评估(PP) Product information package	产品的成份检查 Ingredient review



中国卫生部《化妆品卫生规范》（2007年版）的测试项目：

Testing items in Hygienic Standard for Cosmetics (Version 2007) published by China Ministry of Health:

卫生化学检验 Hygienic Chemical Testing:

砷，铅，汞，甲醇，游离氢氧化物，镉，锑，总氟，总硒，硼酸和硼酸盐，二硫化硒，甲醛，巯基乙酸，氢醌，苯酚，性激素，防晒剂，防腐剂，氧化型染发剂中染料，氮芥，斑蝥素，α-羟基酸，去屑剂，抗生素，甲硝唑，维生素D2&D3，可溶性锌盐，化妆品抗UVA能力，其他化妆品卫生规范中禁用和限用的物质。

Arsenic, lead, mercury, methanol, free hydroxide, cadmium, strontium, the total fluoride, total selenium, boric acid and boric acid salt, selenium disulfide, formaldehyde, mercaptoacetic acid, hydroquinone, phenol, sex hormone, sunscreen agents, preservatives, dye oxidized hair dye agent, nitrogen mustard, cantharidin, α-hydroxy acid, antidandruff agent, antibiotics, metronidazole, vitamin D2 & D3, soluble zinc salts, cosmetics ability of anti-UVA, and other prohibited and restricted substances in Hygienic Standard for Cosmetics.

微生物检验 Microbiological Testing:

菌落总数，粪大肠菌群，铜绿假单胞菌，金黄色葡萄球菌，霉菌和酵母菌。

The total number of bacteria, fecal coliform, pseudomonas aeruginosa, staphylococcus aureus, fungi and yeast

毒理学检验 Toxicology Testing:

急性经口毒性试验，急性经皮毒性试验，皮肤刺激性/腐蚀性试验，急性眼刺激性及腐蚀性试验，皮肤变态反应试验，皮肤光毒性试验，亚慢性经口毒性试验，亚慢性经皮毒性试验。

Acute oral toxicity, acute percutaneous toxicity, skin irritation / corrosion testing, acute eye irritation / corrosion testing, the skin allergy testing, skin phototoxicity testing, sub-chronic oral toxicity testing, sub-chronic toxicity testing percutaneous.

倡导“绿色”、“环保”已经成为一种世界性的消费潮流，越来越多的消费者倾向于购买对人体和环境无害的消费品。绿色消费的倾向已经扩展到纺织品领域，许多著名的买家都积极回应这种公众意识，纷纷从生态的视角来审视他们的产品，而且已经提出了许多生态纺织品方面的环保要求，严格控制他们所采购和销售的产品的安全性。

凭借专业的化学测试技术人才以及先进的测试设备，SKYTE可检测所有这些有害物质，并且对如何降低纺织品中的有害物质提供咨询服务及解决方案。

'Green' and 'environmental protection' have become a popular consumption trend worldly, increasing number of consumers are apt to purchase the goods which do no harm to human bodies and the environment. In the textile industry, the green product also has become key words, and a lot of famous buyers make active responses to this public consciousness and set their product specification according to eco-textile requirement, carry out strict control for the product safety during the purchase and distribution.

Relying on professional chemical testing technicians and advanced testing instruments, SKYTE provide testing service for hazardous substances in textile products. We also provide solution to support our client in reducing the hazardous substances in textile products.



生态纺织品检测的主要测试项目
Testing Item of Eco-textile

- | | | |
|--|-----------------------------------|----------------------------------|
| ▶▶ 禁用的偶氮染料
Banned azo dyes | ▶▶ 甲醛
Formaldehyde | ▶▶ 邻苯二甲酸酯
Phthalate |
| ▶▶ 致敏性分散染料
Allergenic disperse dyes | ▶▶ 五氯苯酚
Pentachlorophenol | ▶▶ 多氯联苯
PCBs |
| ▶▶ 致癌染料
Carcinogenic dyes | ▶▶ 可萃取重金属
Soluble heavy metal | ▶▶ 有机锡化合物
Organotin compounds |
| ▶▶ 总镉含量
Total cadmium content | ▶▶ 有机氯载体
Organochlorine vector | ▶▶ 杀虫剂
Pesticides |
| ▶▶ 总铅含量
Total lead content | ▶▶ 镍的释放量
Ni releases | ▶▶ 六价铬
Hexavalent chromium |
| ▶▶ 壬基酚，辛基酚和壬基苯酚乙氧基化物
Nonylphenol, octylphenol, nonylphenol ethoxylate | | ▶▶ 阻燃剂
Flame retardant |



法律、法规依据：

- 《中华人民共和国职业病防治法》（主席令【2011】第60号）（2011修订，主席令【2012】第52号）
- 《中华人民共和国劳动法》（主席令【1994】第28号）
- 《中华人民共和国安全生产法》（主席令【2011】第70号）
- 《中华人民共和国尘肺病防治条例》（国务院令【1987】第105号）
- 《使用有毒物品作业场所劳动保护条例》（国务院令【2002】年352号）
- 《职业病危害项目申报管理办法》（卫生部【2002】第21号令）
- 《职业病目录》（卫法监发【2002】第108号）
- 《职业病危害因素分类目录》（卫法监发【2002】第63号）

评价标准、规范依据：

- 《建设项目职业病危害分类管理方法》（中华人民共和国卫生部令第49号）
- 《建设项目职业病危害评价规范》（卫法监发【2002】63号）
- 《工业企业设计卫生标准》GBZ1(GBZ1-2010)
- 《工作场所有害因素职业接触限值 第1部分：化学有害因素》（GBZ2.1-2007）
- 《工作场所有害因素职业接触限值 第2部分：物理因素》（GBZ2.2-2007）
- 《工作场所职业病危害警示标识》（GBZ158-2003）
- 《工作场所空气中有害物质监测的采样规范》（GBZ159-2004）
- 《建设项目职业病危害预评价技术导则》（GBZ/T 196-2007）
- 《建设项目职业病危害控制效果评价技术导则》（GBZ/T 197-2007）
- 《工作场所防止职业中毒卫生工程防护措施规范》（GBZ/T 194-2007）



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