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计量检测基地/子公司

广州广电计量检测股份有限公司(总部)

地址:广州市天河区黄埔大道西平云路163号  
电话:020-38699960

广州广电计量检测无锡有限公司

地址:无锡新吴区太湖国际科技园菱湖大道200号中国传感网国际创新园F8栋 电话:0510-68790977

广电计量检测(武汉)有限公司

地址:武汉市洪山区鲁磨路488号(六九〇七工厂内)  
电话:027-51861681

广电计量检测(湖南)有限公司

地址:长沙市岳麓区文轩路27号麓谷钰园B8栋广电计量大厦,A2栋 电话:0731-81890001

广电计量检测(西安)有限公司

地址:西安市高新区新型工业园造字台路9号园区综合楼  
电话:029-81775481

广电计量检测(成都)有限公司

地址:成都市武侯区武侯新城管委会武科东三路9号  
电话:028-86496333

广电计量检测(南宁)有限公司

地址:南宁市总部路3号中国-东盟科技企业孵化基地二期7号厂房 电话:0771-5463988

广电计量检测(深圳)有限公司

地址:深圳市龙华区观澜街道新澜社区观光路1301号银星科技大厦402 电话:0755-86242294

广电计量检测(江西)有限公司

地址:南昌市高新技术产业开发区天祥大道699号中节能江西低碳园5-1号楼 电话:0791-87376866

广电计量检测(昆明)有限公司

地址:云南省昆明市高新区马金铺街道文兴路900、960号  
电话:0871-64870462

广电计量检测(雄安)有限公司

地址:河北省保定市容城县城关镇城内村金台东路金台新城13号楼 电话:010-60936218 010-53976705

广州广电计量检测股份有限公司东莞分公司

地址:东莞松山湖高新技术产业开发区工业南路6号  
电话:0769-83932977

广电计量检测(重庆)有限公司

地址:重庆市渝北区翠桃路37号凉井工业园3号楼  
电话:023-88566110

广电计量检测(天津)有限公司

地址:天津市西青经济技术开发区赛达新兴产业园G座  
电话:022-60722300

广州广电计量检测(上海)有限公司

嘉定:上海市嘉定区永靖路1188号 电话:021-31587300  
浦东:上海市浦东新区康桥东路958号 电话:021-58150330

广电计量检测(北京)有限公司

地址:北京市北京经济技术开发区凉水河二街8号院5号楼  
电话:010-60936200

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电话:024-83899300

河南广电计量检测有限公司

地址:郑州市高新区长椿路11号12栋  
电话:0371-56535888

广电计量检测(福州)有限公司

地址:福建省福州市鼓楼区五凤街道软件大道89号畅通电气科技有限公司研发楼 电话:0591-62620568

广电计量检测(青岛)有限公司

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电话:0532-58820280

广电计量检测(杭州)有限公司

地址:浙江省杭州经济技术开发区银海街370号5幢  
电话:0571-58120880

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电话:0551-65273532

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广州广电计量检测股份有限公司长春分公司

地址:长春汽车经济技术开发区长沈路4955号凯达工业园A区厂房 办公楼101-103号 电话:0431-88009518

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GRGTEST 广电计量  
GRG METROLOGY & TEST  
— 股票代码:002967 —

方广检测  
FGTEST

## 产品认证及市场准入解决方案

Product Certification and Market Access Solution

 **方圆广电检验检测股份有限公司**  
Fanguang Inspection & Testing Co., Ltd.

广州检测中心地址:广州市天河区黄埔大道西平云路163号科技大厦2层  
Guangzhou Test Center: F1, Science Mansion, 163 Pingyun Rd, Huangpu Avenue West,, Tianhe District, Guangzhou, China  
电话Tel:+86-20-66289500 传真Fax:+86-20-66289501  
网址Website:www.fgtest.cn 邮编Postcode: 510656

无锡检测中心地址:无锡高新区菱湖大道200号中国传感网国际创新园G9座2层  
Wuxi Test Center: F2, Block G9, China Sensor Network International Innovation Park, 200 Linghu Avenue, Wuxi Hi-Tech Industry Development Zone, Wuxi, China  
电话Tel:+86-510-68790033 传真Fax:+86-510-68790022  
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## 关于我们 About Us

广州广电计量检测股份有限公司(股票简称:广电计量,股票代码:002967)始建于1964年,是原信息产业部电子602计量站,经过50余年的发展,现已成为一家全国化、综合性的国有第三方计量检测机构,专注于为客户提供计量、检测、认证以及技术咨询与培训等专业技术服务,在计量校准、可靠性与环境试验、电磁兼容检测等多个领域的技术能力及业务规模处于国内领先水平。



Guangzhou GRG Metrology & Test Co., Ltd. (GRGT, stock code 002967), formerly the Military and Electronic Metrology and Testing Station 602 of Ministry of Information Industry, started its metrology and testing business in 1964. With over 50 years of development, GRGT has now grown into a nationwide, comprehensive, state owned third-party metrology and testing organization. It focus on providing customers with professional technical services such as measurement, testing, certification, technical consulting and training, and its technical capabilities and business scale in many fields such as measurement calibration, reliability and environmental testing, electromagnetic compatibility testing are at the domestic leading level.

方圆广电检验检测股份有限公司(简称“方广检测”)是广电计量(SZ.002967)的全资子公司,在检测及认证领域拥有深厚的技术积累以及丰富的服务经验,致力于为客户提供专业的一站式产品检测认证服务,帮助客户解决市场准入问题,赢得市场先机。



Fang Guang Inspection and Testing Co., Ltd. (referred to as “FGTEST”) is a wholly-owned subsidiary of Guangzhou GRG Metrology & Test Co., Ltd. (referred to as “GRGT”) (SZ.002967). With abundant technical accumulation and rich service experience in the field of testing and certification, FGTEST is committed to providing customers with professional one-stop product testing and certification services, in a bid to help customers solve market access problems and seize market opportunities in the first place.

## 资质认可 Our Qualification

- CNAS认可实验室
- CMA资质认定实验室
- 国家认监委制定CCC强制性产品认证实验室
- 中国质量认证中心CQC自愿性产品认证实验室
- 国家级医疗器械防疫物资检验检测机构
- NVLAP证书资质
- IECEE-CBTL实验室
- NVLAP实验室
- 中国能效备案检测机构
- 香港机电工程署(EMSD)认可核证团体
- GCC认证签约测试实验室
- TÜV Rh, TÜV SUD授权测试实验室
- ITS、SGS、UL目击测试实验室
- MET (Eurofins) 数据认可测试实验室
- CNAS Accredited Laboratory
- CMA Certificated Laboratory
- CCC Laboratory designated by the Certification and Accreditation Administration of the People's Republic of China (CNCA)
- China Quality Certification Center (CQC) Voluntary Product Certification Laboratory
- National level inspection and testing agency for epidemic prevention materials of medical devices
- NVLAP Certificate Qualification
- IECEE-CBTL Laboratory
- NVLAP Laboratory
- China Energy Efficiency Filing and Testing Agency
- Electrical and Mechanical Services Department (EMSD) Accredited Certification Body
- GCC Certified Contract Testing Laboratory
- TÜV Rh Authorized Testing Laboratory
- ITS, SGS and UL Witness Testing Laboratory
- MET (Eurofins) Data Accreditation Testing Laboratory





## 您面临的挑战 Main Challenges

在贸易环节中,为了确保您的产品符合各项指标要求,同时能满足贸易国的相关法律法规要求,需要对产品开展认证工作,从而确保产品合规。考虑到认证种类的多样性以及法规的持续变动,借助方广检测这类专业的第三方检测认证机构来解决这些问题,会使得认证工作的过程更加经济、高效,从而帮助您赢得市场先机。

In the trade, in order to ensure that your company's products meet the requirements of various indicators, and at the same time, meet the relevant laws and regulations of the trading country, you need to carry out certification of the products to ensure product compliance. Taking into account the diversity of certification types and the continuous changes in regulations, the help of professional third-party testing and certification agencies such as FGTEST in solving these problems will make the certification process more economical and efficient, thereby assisting you seize market opportunities in the first place.

### 什么是认证

#### What Is Product Certification?

认证证书是一种由认证机构或政府机构签发的证明某种产品符合标准、法规的证书,是产品进入各国市场的必备条件。认证是指整个合格评定过程,通常首先需要依据标准和法规对产品进行检测,然后是工厂审核,最后编制完整的检测报告等技术文件,由审批、监管部门批准后发出证书。

The certificate is issued by a certification body or a government agency to prove that a product conforms to standards and regulations, which is an essential condition for products to enter the markets of various countries. Certification refers to the entire conformity assessment process. Usually, products need to be tested according to standards and regulations first, followed by factory audits, and finally complete test reports and other technical documents are prepared, and then certificates are issued after the confirmation of approval and supervision authorities.



## 我们的解决方案 Our Solutions

### 产品检测

#### Product Testing

产品检测通常是产品获证前的一个必要环节,为了给您提供更便捷、高效的服务,我们搭建了包括电磁兼容实验室、安规实验室、性能及能效实验室以及防爆实验室等试验平台;此外,我们可基于广电计量构建的全国23个综合性检测基地,为您提供近距离、本地化的检测服务。

Product testing is usually a necessary part before the product is certified. In order to provide you with more convenient and efficient services, we have built test platforms including EMC laboratory, safety test laboratory, performance and energy efficiency laboratory and explosion-proof laboratory. In addition, we offer close-range, localized testing services based on 23 comprehensive testing bases constructed by GRGT across China.

### 产品认证

#### Product Certification

广电计量为您提供全球100多个国家和地区的300多种认证服务,帮助您的产品拓展全球市场。

GRGT can provide you with more than 300 certification services in more than 100 countries and regions around the world, effectively aiding you in expanding the global product market.

### 技术咨询与培训

#### Technical Consultation & Training

我们的专家熟知各类认证的法规要求以及办理流程,可帮助您梳理各类认证所必备的关键条件,甚至可以在产品设计初期给您提供专业的意见,从产品设计初期考虑产品的合规性,能大幅降低企业的成本。

Our experts can help the factory understand the requirements for various product certificates and even participate in the preliminary product design so that your cost will be reduced considerably.

此外,方广检测可帮助您解读当地标准、法规,同时协助您与当地监管部门进行高效沟通。

In addition, FGTEST can help you interpret local standards and regulations, and at the same time guide you to communicate effectively with local supervision authorities.

### 文件准备与检查

#### Document Preparation & Inspection

我们可协助您完成全套文件的准备,并提供全套文件的检查服务。

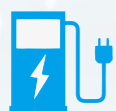
We can assist you to complete the preparation of a full set of documents, and provide a series of document inspection services.

### 我们的优势包括:

#### Our Advantages Include:

- 为您提供全程的技术辅导,出现异常时能针对产品的具体情况提供整改措施;
- Provide you with full technical assistance, and put forward corrective measures for the specific conditions of the product when there is an exception;
- 为您提供专业的项目管理,确保各流程的工作能够按进度有序进行;
- Provide you with professional project management to ensure that the work of each process can be carried out in an orderly manner;
- 与当地的认证机构关系畅通,确保获证过程顺畅且能够及时有效地处理异常情况;
- Maintain good relationship with the local certification body to ensure that the certification process is smooth, and abnormal situations can be dealt with in a timely and effective manner;
- 拥有贸易国当地代理机构资源,能够为您的商品提供当地持证人资源。
- Possess local agency resources of trading countries, with the ability to provide local licensee resources for your products.

## 我们的业务范围 Our Business Scopes



充电桩  
EV Charging Pile



通信产品  
Communication Products



信息技术及多媒体设备  
Information Technology & Multimedia Equipment



医疗器械产品  
Medical Device Products



电池  
Battery



汽车内饰件  
Automotive Interior Parts



家用电器  
Household Appliances



照明产品  
Lighting Products



电器附件  
Electrical Accessories



防爆产品  
Explosion-proof Products



电机及电动工具  
Motors & Electric Tools



电焊机  
Electric Welding Machines

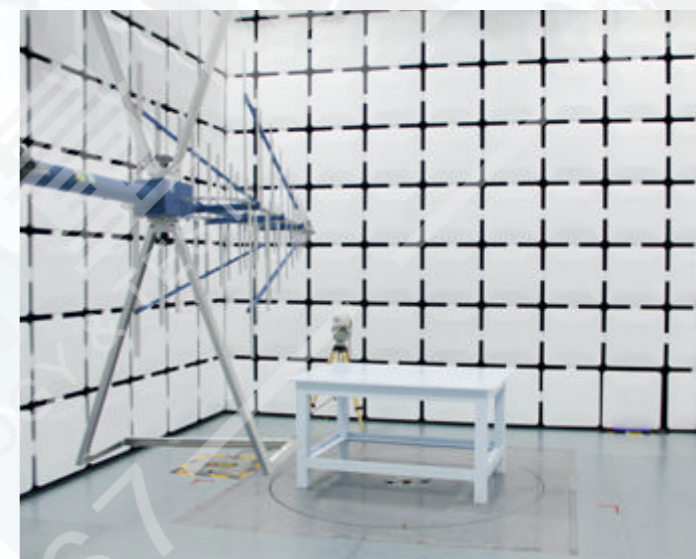
## 试验设施 Test Facilities

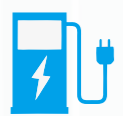
安规实验室  
Safety Test Laboratory

电磁兼容实验室  
EMC Laboratory

性能及能效实验室  
Performance & Energy Efficiency Laboratory

防爆实验室  
Explosion-proof Laboratory





## 充电桩

### EV Charging Pile

充电桩作为电动汽车的重要配套设施之一,关系到人们用车的便利性和安全性,近年来随着充电设施规模的蓬勃发展,政府对于充电桩安全的监管措施也逐步加严。

广电计量可以提供功能性能试验,安全试验,电磁兼容试验,环境试验,通信一致性和互操作性试验等专业技术服务,以保障充电桩系统的安全性和可靠性。

As one of the important supporting facilities for electric vehicles, charging piles are vital for the safety and convenience of EV driving. With the vigorous development of charging facilities, governments have tightened the supervision of charging piles.

GRGTEST is able to ensure the safety and reliability of EV charging piles by providing professional technical services such as functional performance test, safety test, EMC test, environmental test, communication consistency and interoperability test, etc.

产品类型 Product Type	检测标准(部分) Test Standard(Partial)	认证&检测类别 Certification & Testing Type
交流充电桩 AC charging pile	GB/T 18487.1-2015	CQC & 型式试验 CQC & Type testing
	GB/T 18487.2-2017	
	NB/T 33002-2018	
	NB/T 33008.2-2018	
	GB/T 34657.1-2018	
	企业规范要求+以上部分标准 Enterprise requirements & some of the above standards	到货检验 Arrival Inspection

产品类型 Product Type	检测标准(部分) Test Standard(Partial)	认证&检测类别 Certification & Testing Type
直流充电桩(非车载电机) DC charging pile (non-vehicle motor)	GB/T 18487.1-2015	CQC & 型式试验委托 CQC & Type Test Commission
	GB/T 18487.2-2017	
	NB/T 33001-2018	
	NB/T 33008.1-2018	
	GB/T 27930-2015	
	GB/T 34658-2017	
	GB/T 34657.1-2018	
	企业规范要求+以上部分标准 Enterprise requirements & some of the above standards	到货检验 Arrival Inspection
充电连接装置(接口) Charging connection device (interface)	GB/T 20234.1-2015	型式试验 Type Testing
	GB/T 20234.2-2015	
	GB/T 20234.3-2015	
	GB/T 11918.1-2014	
充电桩电能表检定 Charging pile watt-hour meter verification	JJG1148-2018	检定 Verification
	JJG1149-2018	
电动汽车充换电站 EV charging station	NB/T33004-2013	验收、尽调 Acceptance, Due diligence
	GB 50303-2015	
	GB/T 16895.23-2012	
	GB/T 51313-2018	

# 通信产品 Communication Products

随着通信技术的发展,在产品中增加通信模块(尤其是无线通信)的产品创新方式变得越来越普遍,但各国政府对通信产品均有着严格的市场准入管理要求,制造商将带有通信模块的产品推入全新市场之前,必须遵守相应的法律和法规。

方广检测可依据贸易国相关法律法规要求,协助您完成相应的认证以及认证所需的测试或预测试。

With the development of communication technology, the product innovation method of adding communication modules (especially wireless communication) to products has become more and more common, but governments of various countries have strict market access management requirements for communication products, therefore, manufacturers should comply with relevant laws and regulations before introducing products with communication modules into a new market.

FGTEST can assist you to complete the corresponding certification and the required testing or pre-testing according to the relevant laws and regulations of the trading country.

以国内SRRC认证为例,除了为您提供认证咨询及文件准备辅助之外,方广检测还可为您提供SRRC预测试服务,发现和协助解决预测试过程中发现的问题,提升一次性通过认证的可能性,帮助您更好地应对SRRC政策改革后的获证效率问题。

Taking China SRRC certification as an example, in addition to certification consulting and document preparation assistance, FGTEST can also provide you with SRRC pre-test services, find and assist in solving problems found in the pre-test process, improve the possibility of one-time successful certification and help you better deal with the issue of certification efficiency after SRRC policy reform.

产品类型 Product Type	检测标准(部分) Test Standard(Partial)			
	安全检测 Safety testing	电磁兼容 EMC	性能检测 Performance testing	无线测试 Wireless testing
有线通信:如有线电话、传真机、交换机等 Wired communication: wired telephones, fax machines, switches, etc.	GB 4943.1 GB 4943.22 GB 7247.1 GB 9159 IEC 62368-1	GB 17618 GB 17625.1 GB 9254 GB/T 17618 YY/T 993	GB 28380 IEC 62301 EN 50564 EN 50563	GB 22450.1 YD/T 1214/1215/15471548.1 YD/T 1483/1595.1/2575/2576 YD/T 2577/2578.2/2583.14 EN 301511/300328 EN 301908-1/2/13
无线通信:BT、WiFi、NFC、RFID、ZigBee、IoT、2G/3G/4G/5G、全球定位系统的各类产品 Wireless communication: BT, WiFi, NFC, RFID, ZigBee, IoT, 2G/3G/4G/5G, and various products of global positioning system	IEC/EN 60950-1/22 IEC/EN 60950 AS/NZS 60950.1 UL 60950-1 UL 62328-1	EN 55032 EN 55035 EN 301489 CISPR 32 CISPR 35 FCC PART 15-B	EN 301893 EN 301489-1/3/17/52 EN 50360/50566 EN 300/220/330/440 EN 303 413/345-1-2-3 FCC PART 22/24/27/90/15C RSS-133/133/139/192/195/ 197/199/247 3GPP TS 51.0101-1/34.121-1 3GPP TS 36.521-1/38.521-1-3	





## 信息技术及多媒体设备 Information Technology & Multimedia Equipment

信息技术设备极大地提高了现代企业的生产效率,多媒体设备则很大程度丰富了我们的生活,它们共同改变着人们的生产方式和生活方式,其安全性和性能受到各国政府的严格审核和管控。

方广检测可根据各国指令对您产品硬件进行安全性检测以及能效检测,并提供全球多个国家和地区的产品认证服务。

Information technology equipment has greatly improved the production efficiency of modern enterprises, while multimedia equipment enriches our lives to a great extent. They together innovate production methods and lifestyles. Their safety and performance are strictly reviewed and controlled by governments of various countries.

FGTEST can conduct safety testing and energy efficiency testing of your hardware product according to the directives of various countries, and provide product certification services in many countries and regions around the world.

产品类型 Product Type	检测标准(部分) Test Standard(Partial)		
数据和文本处理机及相关设备:计算机、服务器、打印机、扫描仪、显示屏等 Data and text processors and related equipment: Computers, servers, printers, scanners, displays, etc.  数据网络设备:数据终端设备、路由器等 Data network equipment: Data terminal equipment, routers, etc.  银行设备:ATM机等 Banking equipment: ATM, etc.  多媒体设备:平板、电视、音响等 Multimedia equipment: Tablet computers, TV, stereo, etc.	安全检测 Safety testing	电磁兼容 EMC	性能检测 Performance testing
	GB 4943.1 GB 4943.22 GB 4793.1 GB 7247.1 GB 19212 GB 17625.1.2 GB/T 17618 IEC/EN 61558 IEC/EN 61010-1 IEC/EN 60825-1/2 AS/NZS 61558 AS/NZS 60950.1 IEC/EN/UL 60950-1/-22 IEC/EN/UL 62368-1 IEC/EN/UL 60065	GB 9254 EN 55032 EN 55035 EN 301489-1 EN 301489-3 EN 301489-17 IEC/EN 61000-3-2 IEC/EN 61000-3-3 FCC Part 15B AS/NZS CISPR 22	GB 20943 GB 28380 GB 20943 GB 24850 IEC 62301 IEC 62087 EN 62301 EN 50564 EN 50563 AS/NAS 4665

## 医疗器械产品 Medical Devices Products

随着医疗器械领域的监管变得越来越严格,从医疗器械研发阶段的摸底测试,注册申请,型式试验,风险评估,临床试验到工厂质量管理体系的审核,最后注册批准,每个环节都非常重要。

方广检测作为国家级认可检验检测机构,可为医疗器械产品的质量控制与提升提供技术服务。

As the supervision of medical devices becomes more and more strict, every part, from the pre-compliance testing of the R&D of medical devices, registration application, type test, risk assessment, clinical test, audit of the factory quality system to the registration approval, is of great importance. As a national-level accredited inspection and testing organization.

FGTEST can provide technical services for the quality control and improvement of medical device products.

产品类型 Product Type	检测标准(部分) Testing Standards (Partial)		
电子医疗设备 Electronic medical equipment  体外诊断设备 IVD equipment  康复理疗设备 Rehabilitation physiotherapy equipment  临床体温测量设备 Clinical temperature measurement equipment  牙科类设备 Dental equipment  警报系统 Alarm system	安全检测 Safety testing	电磁兼容 EMC	性能检测 Performance testing
	GB 9706.1 GB 9706.15 YY 0667 YY 0648 YY 0709 IEC/EN 60601 IEC/EN 61010 IEC/EN 62366 IEC/EN 80601 ISO 80601-2 ISO 80601-2	GB 4824 GB/T 18268.26 YY 0568 YY 0505 CISPR 11 CISPR 11 EN 55011 EN 80601 IEC/EN 60601 IEC/EN 61326	EC/EN 62366 IEC/EN 60601-1-6 IEC/EN 60601-1-11



## 电池 Battery

新能源作为国家战略七大基建之一，锂电池作为新能源载体，市场会越来越重视锂电池的安全，方广检测建有电池检测实验室，能力获得CNAS认可、CMA资质认定，具有按GB、UN、IEC/EN、UL等标准进行安全与性能检测的技术能力，可开展UN 38.3、锂电池运输鉴定书、CB、CE、CQC、UL、BSMI、KC、PSE等全球范围的认证与测试服务。

As new energy is one of the seven national strategic infrastructures, and lithium battery is the new energy carrier, the safety of lithium battery will become increasingly important in the market. FGTEST has built the battery testing laboratory, with CNAS accreditation and CMA qualification certification. In addition to the technical ability to conduct safety and performance testing according to GB, UN, IEC/EN, UL and other standards, the laboratory is able to provide UN 38.3, lithium battery transportation certification, CB, CE, CQC, UL, BSMI, KC, PSE and other global certification and testing services.

产品类型 Product Type	检测标准(部分) Test Standard(Partial)	
	安全检测 Safety testing	性能检测 Performance testing
锂原电池:手表用电池、计时器用电池、玩具用电池等 Lithium primary battery: Watch battery, timer battery, toy battery, etc.	GB 31241 GB 8898.4 GB/T 22084	GB/T 22084.1 GB/T 22084.2
手机用电池:如锂离子电池、锂聚合物电池、镍镉电池、镍金属氢电池等 Mobile phone battery: Lithium ion battery, lithium polymer battery, nickel cadmium battery, nickel metal hydride battery, etc.	IEC/EN 62133 IEC/EN 62281 IEC/EN 60086-4 IEC/EN/UL 60950-1 IEC/EN/UL 62368	IEC/EN 61960 IEC/EN 61951-1 IEC/EN 61951-2
移动电源 Mobile power bank	UN 38.3 UL 1642 UL 2054	
镍电池:镍镉电池、镍金属氢电池等 Nickel battery: Nickel cadmium battery, nickel metal hydride battery, etc.	UL 2056 PSE (Appendix Table 9)	

## 汽车内饰件(汽车功能产品) Automotive Interior Parts (Automotive Functional Products)

汽车内饰件的品质不仅影响车辆美观以及乘坐感受，还需要经受住各种突发状况的考验，确保乘坐人员安全。为此，各国政府对汽车内饰品通常采取强制性认证的管控手段，从而有效保障消费者生命财产安全。

方广检测是国家认监委指定的汽车内饰件强制性产品认证(CCC)实验室，可依据GB 8410及相关标准为您的产品开展燃烧测试，并为您提供专业、高效的认证辅导服务。

The quality of automotive interior parts not only affects the vehicle's aesthetics and riding experience, but also needs to be good enough to respond to various emergencies for ensuring the safety of passengers. To this end, governments of all countries usually adopt mandatory control methods for automotive interior parts, so as to effectively protect the safety of consumers' lives and property.

FGTEST has a laboratory that is designated by CNCA for China Compulsory Certification (CCC) on automotive interior parts. It can conduct combustion tests for your products according to GB 8410 and related standards, and provide you with professional and efficient certification counseling services.

产品类型 Product Type	检测标准(部分) Test Standard(Partial)
主要是有机材料或有机复合材料组成的零部件，包括： 地板覆盖层：如地毯、前后地板成型垫板等 The parts are mainly composed of organic materials or organic composite materials, including: Floor cover: Carpets, front and back floor molding pads, etc.  座椅护面：包覆在座椅外表面的有机材料等 Seat cover: Organic materials covering the outer surface of the seat, etc.  装饰性衬板：包括门内护板、前围/侧围/后围护板、车顶棚衬里等 Decorative lining: Inner door guard plate, front/side/rear guard plate, roof lining, etc.	《GB 8410汽车内饰材料的燃烧特性》 GB 8410 Flammability of Automotive Interior Materials ISO3795《拖拉机、农业、林业和道路车辆—内饰材料燃烧性能测定》 ISO3795 Road Vehicles, and Tractors and Machinery for Agriculture and Forestry - Determination of Burning Behavior of Interior Materials FMVSS302《汽车内饰材料水平燃烧特性试验》 FMVSS302 Horizontal Flammability Test of Automotive Interior Materials



## 家用电器 Household Appliances

智能家用电器(家居)的出现大幅地提升了人们的生活品质,这些走进千万家庭的产品,其质量安全一直备受关注。在种类繁多的家电产品中,要想让您的产品脱颖而出,需要借助第三方机构的认证来建立信任的桥梁,方广检测在无线产品及信息技术产品积累的技术经验,可帮助您完成传统家用电器产品向智能化家电产品的快速升级。

方广检测构建的家用电器检测实验室,能为您提供符合全球多个国家家电认证检测相关标准的测试服务,并协助您完成繁多复杂的认证工作。

The emergence of smart household (home) appliances has greatly improved people's quality of life. The quality and safety of these products that have entered millions of homes have always received much attention. Among a wide range of household appliances, if you want your products to stand out, you need to rely on the certification of a third-party organization to build a bridge of trust. FGTEST's technical experience accumulated in wireless products and information technology products can help you complete the rapid upgrade of traditional household appliances to smart household appliances.

The household appliance testing laboratory built by FGTEST can provide you with testing services that meet the standards of household appliance certification and testing in many countries around the world, and assist you in completing a variety of complex certification tasks.

We can provide you with testing and calibration as per state standards.

产品类型 Product Type	检测标准(部分) Test Standard(Partial)	
	安全检测 Safety testing	电磁兼容 EMC
厨卫大家电 Kitchen and bathroom appliances		
厨房小家电 Kitchen appliances	GB 4706 UL 507 UL 859	GB 4343.1 GB 4343.2 CISPR 14-1
环境电器 Environment appliances	UL 982	CISPR 14-2
家居电器 Home appliances	EN 60335 IEC 60335	EN 55014-1 EN 55014-2
个人护理电器 Personal care appliances	IEC/EN 60335-1 IEC/EN 60335-2	AS/NZS CISPR 14.1
饮水家电 Water appliances	AS/NZS 60335	

## 照明产品 Lighting Equipments

电灯的发明照亮了人类的整个世界,但随着全球气候变暖的严峻形势以及智能化技术的迅速发展应用,传统的照明产品当前面临着两个新的挑战:一方面是人们日益关注的节能需求,一方面是正在兴起的产品智能化趋势,只有更高性能的照明产品才能赢得市场青睐。

方广检测是照明产品CCC指定实验室以及众多认证机构的合作实验室,能够提供照明产品的安全、性能、EMC、能效的检测以及认证需求。同时,方广检测在无线产品及信息技术产品积累的技术经验,可帮助您完成传统照明产品向智能化照明产品的快速升级。

The invention of electric lights illuminates the entire world of humans, but with the severe situation of global warming and the rapid development and application of intelligent technologies, traditional lighting products are currently facing two new challenges: on the one hand, people are increasingly concerned about energy saving; on the one hand, the trend of intelligent products is overwhelming. Only higher-performance lighting products can win the market.

FGTEST is a designated CCC laboratory for lighting products and a cooperative laboratory of many certification bodies. It can provide testing and certification services for safety, performance, EMC and energy efficiency of lighting products. Moreover, relying on technical experience accumulated in wireless products and information technology products, FGTEST is committed to helping you complete the rapid upgrade from traditional lighting products to smart lighting products.

产品类型 Product Type	检测标准(部分) Test Standard(Partial)		
	安全检测 Safety testing	电磁兼容 EMC	性能检测 Performance testing
灯具 Lamps	GB 7000 GB 19510 GB 16844	GB 17743 GB 18595 GB 17625.1	GB/T 24825 GB/T 17263 IEC/EN 62384
控制装置 Control devices	GB 24819 UL 153	EN 55015 IEC/EN 61547	IEC/EN 60969 AS/NZS 60969
光源产品 Light source products	UL 1598 IEC/EN 60598 IEC/EN 61347	CISPR 15 IECS-005 FCC part 15B	
灯座产品 Lamp holder products	IEC/EN 60698 IEC/EN 62031 AS/NZS 60598 AS/NZS 62560	FCC part 18 AS/NZS CISPR 15	



## **电器附件** **Electrical Accessories**

随着电器附件行业的发展成熟，行业普遍面临着产品同质化、价格竞争白热化的情况，对电器附件生产企业而言，以品质赢得客户信任，走出低价竞争的漩涡势在必行，获得强制性认证可以建立起与消费者的信任桥梁，也是企业质量管控的基础起点。

方广检测作为CCC认证指定实验室以及UL、TUV、ITS等机构的目击测试实验室，拥有丰富的电器附件检测经验，拥有中国、澳洲、欧洲、美国以及中东等国家标准的测试能力，能为客户打开国内外市场提供有力的帮助。

With the development of the electrical accessories industry, the industry is generally faced with the homogenization of products and the fierce price competition. For electrical accessory manufacturers, it is imperative to win the trust of customers by quality and get out of the vortex of low-price competition. Obtaining the CCC certificate is helpful for building the trust bridge between enterprises and consumers, which is also the basic starting point for enterprise quality control.

As a designated CCC laboratory and a witness testing laboratory of UL, TUV, ITS and other institutions.

FGTEST possesses rich experience in testing electrical accessories. Meanwhile, it is equipped with the testing capabilities of national standards in China, Australia, Europe, the United States and the Middle East, which is an advantage in opening the domestic and foreign markets for customers.

产品类型 Product Type	检测标准(部分) Test Standard(Partial)		
插头插座 Sockets	安全检测 Safety testing		
开关 Switches	GB/T 2099	Bs546	AS/NZS 3100
连接器耦合器 Connectors and couplers	GB/T 17466	Bs8546	SASO 2203
其它附件:端子、定时器、控制器、电线组件、卷线盘、接线盒与外壳 Other accessories: Terminals, timers, controllers, wire assemblies, wire reels, junction boxes and housings	GB/T 17465	Bs5733	SASO 2204
汽车线束、汽车接插件、汽车内饰件 Automotive wiring harnesses, automotive connectors, automotive interior decoration parts	GB/T15092	Ds60884	SASO 2815
	GB/T15934	En60320	NBR NM 60884
	GB/T 16915	UI498	NBR 14136
	IEC/EN 60884	UL498A	NBR 14936
	IEC/EN60320	AS/NZS 3112	SANS 60884
	IEC/EN 60799	AS/NZS 3105	SANS 164
	IEC/EN 60669	AS/NZS 3120	SANS 60320
	IEC/EN 60670	AS/NZS 3133	SANS60799
	IEC/EN 61058	AS/NZS 60320	SANS 60670
	VDE0620	AS/NZS 3199	
	Bs1363	AS/NZS 60669	
			电磁兼容 EMC
			GB 16915.1
			IEC/EN 60669
			IEC/EN 61058-1
			IEC/EN 60730

## **防爆产品** **Explosion-proof Products**

考虑到石油、化工、轻纺、医药等特殊行业生产场景中存在易燃易爆的隐患，防爆电气产品在这些行业中得到了广泛的运用，各国政府以及行业组织出于安全考虑，制定了严格的防爆产品市场准入法规。

方广检测防爆实验室拥有先进的检测设备和专业的防爆产品检测技术专家，为客户提供高效、优质的认证、检测和培训等服务。

Considering that there are hidden dangers of flammability and explosion in the production scenarios of special industries such as petroleum, chemical, textile and medicine, explosion-proof electrical products have been widely used in these industries. Governments and industry organizations in various countries have formulated strict regulations on market access for explosion-proof products.

FGTEST's explosion-proof laboratory features with advanced testing equipment and professional experts in testing technology for explosion-proof products, providing customers with efficient and high-quality certification, testing and training services.

产品类型 Product Type	检测标准(部分) Test Standard(Partial)
防爆电机 Explosion-proof motors	GB 3836 GB 12476
防爆电器 Explosion-proof electrical appliances	IEC 60079 ISO 80079 ANSI/UL 60079 CSA-C22.2 No. 60079
防爆仪表 Explosion-proof instruments	
防爆灯具 Explosion-proof lamps	



## 电机及电动工具 Motor & Electric Tool

方广检测是国家认监委指定的小功率电机CCC认证检测实验室,同时可为客户提供全球多个国家的委托检测和认证服务。

FGTEST has a CNCA designated testing laboratory with CCC certification for small power motors. It can also provide customers with commissioned testing and certification services in many countries around the world.

产品类型 Product Type	检测标准(部分) Test Standard(Partial)	
小功率家用电机 Small power household motors	安全检测 Safety testing	电磁兼容 EMC
	GB 3883 GB/T 12350 GB/T 14711 GB/T 5171 IEC/EN 60745 AS/NZS 60745	GB 4343.1/2 GB 17625.1 CISPR 14-1/2 EN 55014-1/2 IEC/EN 61000-6-2/3/4 AS/NZS CISPR 14.1/14.2
中小工业电机 Small and medium industrial motors		
电动工具 Electric power tools		

## 电焊机 Electric Welding Machines

方广检测在电焊机检测领域的的能力已获CNAS认可、CMA资质认定,并于2016年获批成为国家认监委指定电焊机3C认证检测实验室,可为您提供中国CCC、欧洲CE、GS、美洲ETL以及澳洲SAA等认证服务。

With CNAS accreditation and CMA qualification certification, FGTEST's ability in the field of electric welding machine testing has been recognized. Furthermore, it was approved as a testing laboratory with CCC certification for electric welding machines designated by CNCA in 2016, thus it is capable of providing you with China CCC, European CE, GS, American ETL, Australian SAA and other certification services.

产品类型 Product Type	检测标准(部分) Test Standard(Partial)
方广检测在电焊机检测领域的的能力已获CNAS认可、CMA资质认定,并于2016年获批成为国家认监委指定电焊机3C认证检测实验室,可为您提供中国CCC、欧洲CE、GS、美洲ETL以及澳洲SAA等认证服务。 With CNAS accreditation and CMA qualification certification, FGTEST's ability in the field of electric welding machine testing has been recognized. Furthermore, it was approved as a testing laboratory with CCC certification for electric welding machines designated by CNCA in 2016, thus it is capable of providing you with China CCC, European CE, GS, American ETL, Australian SAA and other certification services.	安全检测 Safety testing
	GB 15579 GB 10235 GB 15578 GB/T 8118 IEC/EN/AS 60974



## 全球市场准入认证服务

Global Market Access Certification Service Scheme

### 进入国际市场 把握全球机遇

#### Enter The International Market, Catch The Global Opportunities

在市场经济全球化的形势下，制造商、出口商、贸易商、零售商寻求产品投放全球市场时，将面临如何满足贸易国相关技术合规的挑战，需要对产品开展认证工作，从而确保产品合规。在各国没有统一的技术标准和需求时，甚至不同国家使用不同标准时，企业需要了解进入该国市场的法规。考虑到认证种类的多样性以及法规的持续变动，需借助广电计量这类专业的第三方计量检测认证机构来解决此类问题，会使得认证工作的过程更加经济、高效，从而帮助您产品赢得市场先机。

In the situation of economic globalization, when the manufacturers, exporters, traders and retailers are preparing to place the products into the market, the challenge of how to meet the relevant country's technical compliance are faced. Then the work for product certification is necessary to ensure product compliance in all countries. When there is no unified technical standards and requirements, or even different countries use different standards, the enterprises need to understand the laws and regulations.

- 利用我们专业团队和全球服务网络资源，为产品量身定制的全球市场准入方案
- our professional team and global service network to customize global market access solutions
- 提供认证法规和标准更新服务，帮助企业掌握市场准入最新动态
- certification regulations and standards update service to help enterprises keep abreast of the latest developments in market access
- 基于项目管理系统，为企业的认证报告、证书及时维护
- project management system, maintain the certification report and certificate valid in time
- 提供技术文件目的国官方语言翻译服务
- official language translation services of the destination country
- 提供当地持证代表服务
- local representative service





## 国际组织市场准入服务方案 IECEE Market Access Certification Service

国际电工委员会成员国 (IECEE)			
国家 / 地区 Country/Region	认证项目 Certification Services	自愿 / 强制 Voluntary / Mandatory	要求 Requirement
国际电工委员会成员国 (IECEE) (50+Country/Region)	CB 认证	V	S

要求 Requirement S: 安全性 S: Security E: 电磁兼容 E: EMC W: 无线 W: Wireless T: 电信 T: Telecom EE: 能源效率 EE: Energy Efficiency R: RoHS R: RoHS

## 亚太地区市场准入服务方案 Asia Pacific Market Access Certification Service

亚太地区 (The Asian-Pacific Region)			
国家 / 地区 Country/Region	认证服务 Certification Services	自愿 / 强制 Voluntary / Mandatory	要求 Requirement
中国大陆 Chinese Mainland	CCC (中国强制认证)	M	S、E
	SRRC (型号核准)	M	W
	CTA (入网许可证)	M	W、T
	ENERGY EFFICIENCY INDEX (能效等级认证)	M	EE
	CHINA RoHS (中国 RoHS)	V	R
	CQC (中国质量认证)	V	S、E
中国台湾 Chinese Taiwan	BSMI (台湾经济部检验认证)	M	S、E、W、T
	NCC (台湾通讯认证)	M	W、T
	ENERGY SAVING LABEL (节能标章)	V	EE
日本 Japan	PSE (RHOMBIC, “特定电气用品”目录强制性安全认证)	M	S、E
	PSE (CIRCULAR, “特定电气用品”目录强制性安全认证)	M	S、E
	VCCI (电磁兼容认证)	V	W
	MIC (无线电设备电波法认证)	M	W、T
	JAS (日本 JAS 星级标准)	M	EE

国家 / 地区 Country/Region	认证项目 Certification Services	自愿 / 强制 Voluntary / Mandatory	要求 Requirement
韩国 South Korea	KC 认证	M	S、E
	KCC (无线传输与通讯认证)	M	E、W、T
	MEPS (能效标签)	M	EE
	STANDBY POWER (待机功率)	M	EE
印度 India	ISI (ISI 认证)	M	S
	BIS (强制注册计划, CRS)	M	S
	WPC (WIFI 保护设置)	M	W
	TEC (通讯设备强制认证)	M	W、T
	BEE STAR (BEE STAR 认证)	V/M	EE
菲律宾 The Philippines	PS (质量认证标志许可) ICC (商品通关证)	M	S
	NTC (无线及电信产品认证)	M	W、T
新加坡 Singapore	CPS (消费者安全保护注册认证)	M	S
	IMDA (无线及电信产品认证)	M	W、T
	NEA (能效标签计划)	M	EE
马来西亚 Malaysia	ST COA (ST COA 认证)	M	S
	SIRIM-ST PCS (SIRIM-ST PCS 认证)	V	S、W、T
	MCMC (无线产品认证)	M	W、T
	PENGGUAMAN TENAGA ENERGY CONSUMPTION (能源效率标签)	M	EE
泰国 Thailand	TISI (TISI 标准认证)	V/M	S、E
	NBTC (NBTC 认证)	M	W、T
	EGAT (能效标签认证)	V	EE
印尼 Indonesia	SNI (印尼国标认证)	M	S
	SDPPI (无线及电信产品认证)	M	S、E、W、T
越南 Viet Nam	CR (CR 认证)	M	S、E
	MIC (无线产品认证)	M	E、W、T
	MOIT (能效认证)	M	EE
澳大利亚 新西兰 Australia/ New Zealand	DOC (有害物质限制声明)	M	R
	RCM R-NZ (RCM R-NZ 认证)	M	S、E、W
	SAA (SAA 认证)	M	S
	GEMS (最低能效要求注册)	M	EE
	ENERGY RATING LABEL (能源评级标签)	M	EE

要求 Requirement S: 安全性 S: Security E: 电磁兼容 E: EMC W: 无线 W: Wireless T: 电信 T: Telecom EE: 能源效率 EE: Energy Efficiency R: RoHS R: RoHS

## 欧洲市场准入服务方案 European market access certification service

欧洲 (European)			
国家 / 地区 Country/Region	认证项目 Certification Services	自愿 / 强制 Voluntary / Mandatory	要求 Requirement
欧盟 27 国 EU 27	CE (CE 认证)	M	S、E、W、EE、R
挪威 Norway	ENEC (电器产品欧洲安全标准)	V	S
冰岛 Iceland		V	S、E
列支敦士登 Liechtenstein	E-mark (E-mark 认证)	V	S、E
土耳其 Turkey	e-mark (e-mark 认证)	M	S、E
英国 UK		M	S、E
欧亚经济联盟 The Eurasian Economic Union (Russia, Belorussia, Kazakhstan, Armenian, Kyrgyzstan)	EAC (海关联盟认证)	M	S、E、R
德国 Germany	GS (德国安全认证)	V	S、E
	VDE (VDE 认证)	V	S、E
俄罗斯 Russia	GOST-R (俄罗斯安全认证)	V/M	S、E、EE
	FAC (联邦通信认证)	M	W、T
	FSS (联邦安全注册)	V/M	W、T
乌克兰 Ukraine	UKRAINE CERTIFICATION (乌克兰符合性 声明认证)	M	SE、W、T、EE、R
塞尔维亚 Serbia	KVALITET (塞尔维亚符合性认证)	M	S、E、W、T
白俄罗斯 Belorussia	TR BY (TR BY 认证)	M	W、T

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## 中东 / 非洲市场准入服务方案 Middle East/Africa market access certification service

中东 / 非洲地区 (Middle East / Africa)			
国家 / 地区 Country/Region	认证项目 Certification Services	自愿 / 强制 Voluntary / Mandatory	要求 Requirement
海湾 7 国 Seven Gulf States (The United Arab Emirates, Saudi Arabia, Bahrain, Oman, Qatar)	GCC (海湾国家符合性标准认证)	M	S
阿联酋 The United Arab Emirates	ECAS (符合性评估)	M	S、R
	TRA (无线通讯认证)	M	W、T
	EESL (能效标签)	M	EE
沙特阿拉伯 Saudi Arabia	SALEEM (符合性认证评估)	M	S
	SIRC (SIRC 认证)	M	S
	CITC (无线及电信产品认证)	M	W、T
以色列 Israel	ENERGY EFFICIENCY LABEL (能效标签认证)	M	EE
	STANDARDS MARK CERTIFICATION (标准 标志认证)	M	S、E、EE
	SAFETY Mark CERTIFICATION (安全 标准认证)	V	S
南非 South Africa	COC (符合性清关证书)	M	S、E
	MEPS (最低能效和能效标签)	M	EE
	NRCS LOA (NRCS LOA 授权书)	M	S
	SABS COC (SABS COC 认证)	M	E
尼日尼亚 Nigeria	ICASA (无线及电信产品认证)	M	W、T
	ENERGY EFFICIENCY LABEL (能效标签认证)	M	EE
	SONCAP (SONCAP 认证)	M	S
摩洛哥 Monaco	NCC (NCC 认证)	M	W、T
	COC (符合性认证证书)	M	S
肯尼亚 Kenya	ANRT (无线及电信产品认证)	M	W、T
	PVOC (出口前合格证明)	M	S
突尼斯 Tunisia	CAK (CAK 认证)	M	W、T
	CERT (CERT 认证)	M	W、T
埃及 Egypt	NTRA VOC (NTRA VOC 认证)	M	W、T
	GOEIC (符合性证书)	M	S

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## 北美洲市场准入服务方案 North America market access certification service

北美洲 (North America)			
国家 / 地区 Country/Region	认证项目 Certification Services	自愿 / 强制 Voluntary / Mandatory	要求 Requirement
美国	NRTL (NRTL 认证)	V	S
	FCC (美国联邦通信认证)	M	E、W
	DOE (能源部能效认证)	M	EE
	CEC (加利福尼亚州能效认证)	M	EE
	NEBS 认证 (Network Equipment-Building System)	V	S、E
加拿大	CUL、CETL、CTUV、CSA (加拿大列名认证)	V	S
	IC (无线产品认证)	M	E、W
	NRCAN (能效认证)	M	EE

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## 拉丁美洲市场准入服务方案 Latin America market access certification service

拉丁美洲 (Latin America)			
国家 / 地区 Country/Region	认证项目 Certification Services	自愿 / 强制 Voluntary / Mandatory	要求 Requirement
巴西	INMETRO (INMETRO 认证)	M	S、E、EE
	ANATEL (无线及电信设备产品认证)	M	S、E、W、T
墨西哥	NOM (强制性安全标准认证)	M	S、EE
	IFETEL (无线及电信产品认证)	M	W、T
阿根廷	S-mark (阿根廷 S-mark 认证)	M	S
	ENACOM (无线及电信产品认证)	M	W、T
智利	SEC (电气产品认证)	M	S、EE
	SUBTEL (无线及电信产品认证)	M	W、T
哥伦比亚	RETIE (RETIE 认证)	M	S
	RETILAP (照明产品认证)	M	S、EE
	CRC (CRC 认证)	M	W、T
	ENERGY EFFICIENCY LABEL (能效标签认证)	M	EE
秘鲁	MTC (无线及电信产品认证)	M	W、T
厄瓜多尔	ARCOTEL (ARCOTEL 认证)	M	W、T
委内瑞拉	CONATEL (CONATEL 认证)	M	W、T

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