



独立的第三方检验、测试、鉴定、认证及质量研究技术服务机构

CNAS,CMA,CCC,CQC,AQSIQ,A2LA,NCB 认可实验室

An independent third-party inspection, testing, verification, certification and quality research services agency.

NTEK is accredited laboratory of CNAS,CMA,CCC,CQC,AQSIQ,A2LA,NCB.

Reliable test reap the beauty of life



› 深圳奋达实验基地
Shenzhen laboratory base



› 深圳新桥实验基地
Shenzhen laboratory base



› 上海实验基地
Shanghai laboratory base



› 昆山实验基地
Kunshan laboratory base

集团文化

GROUP CULTURE

使命 Mission

为客户提供最合适的质量解决方案，用专业和责任成就生活之美

To provide the most appropriate quality solutions for customers, to achieve the beauty of life with professionalism and responsibility.

愿景 Vision

成为最受人信赖的质量技术服务机构

To be the most trusted quality technical service organization.

核心价值观 Core values

客户第一、团队合作、拥抱变化、激情、诚信、敬业

Client first, teamwork, embrace change, passion, integrity, professionalism

社会责任 Social responsibility

应用先进的科学技术帮助消费者建立对产品和服务可持续的信任感，对客户、合作伙伴、员工和股东负责。

Applying advanced science and technology to help consumers build sustainable sense of trust in products and enterprises; and be accountable to customers, partners, employees and shareholders.

目录 CONTENT

图南研究院	01
关于我们	02
资质荣誉与授权	03/04
检测服务	05
认证服务	06
多国认证服务	07
电磁兼容实验室	08
无线射频实验室	09
5G通信&物联网实验室	10
安全实验室	11
电气性能实验室	12
新能源实验室	13
可靠性实验室	14
材料实验室	15
失效分析实验室	16
理化分析实验室	17
防疫物资实验室	18
生物安全实验室	19
可降解材料实验室	20
汽车零部件实验室	21
汽车电子EMC和充电桩实验室	22
电商管控	23
战略合作	24
联系我们	25
机构分布	26



图南研究院

TUNAN RESEARCH INSTITUTE

博士后创新实践基地



新技术新方法研发

新技术新服务研究与开发，
使用创新方法为客户解决问题

Development of new technologies and methods

Research and development of new technology and service, using innovative methods to solve problems for customers



新项目开发

针对市场痛点问题，
积极开发新项目，
并同科研院所开展合作，
时刻保持技术的先进性

Development of new project

Aiming to the key problem in the market, we actively develop new projects, and cooperate with research institutes to keep the advanced technology



前沿技术人才团队

积极建立院士工作站，
博士后创新实践基地，
研究生实践基地等平台。
努力构建高水平的人才团队。

High-level professional team

Actively establish academician workstation, postdoctoral innovation practice Base, Postgraduate practice base and other platforms in order to build high level technical team.



法规标准起草修订

参与国家法规、标准起草
积极参与各标委会工作

Drafting and revising standards

Participate in drafting national regulations and standards, at the same time actively participate in the work of Standardization Committee



法规资讯研讨交流

新技术分享与交流
促进产业可持续发展

Regulatory information Seminar

New technology sharing and communication, promote the industry sustainable development



关于我们

ABOUT US

北测集团（以下简称“NTEK”），作为国家级高新技术企业、新型材料及电子产品综合公共测试平台，是中国第三方检测认证服务的开拓者，也是国内最早从事商品检验、鉴定、测试、认证等服务的专业机构之一。

NTEK经过十余年发展，在华南、华东、华中、华北、西南分别建有大型综合检测基地。具有行业顶尖的电磁兼容（EMC）、无线射频（RF）、新能源（各类电池、充电桩）、电气安全、能效节能、理化分析（电子电气禁限物质、玩具及婴童用品、服装纺织品、皮革鞋材、饰品箱包类、食品及接触材料）、金属及非金属材料检测分析、环境可靠性、失效分析、防疫物资、生物安全、可降解材料、汽车及零部件的VOC、ELV、气味、雾化、可靠性、功能性测试，汽车电子EMC等实验室，为全球客户提供多元化、一站式检测认证服务。

NTEK实验室严格按照ISO/IEC17025:2017标准建立与实施管理，并通过中国合格评定国家认可委员会（CNAS：L5516）和国际实验室认可合作组织（ILAC）认可的实验室。获得国家质量监督检验检疫总局颁发的进出口商品检验鉴定机构资格证书，是国家强制性产品认证（CCC）指定实验室、中国质量认证中心（CQC）签约检测实验室、计量认证（CMA）实验室。

NTEK获得美国CPSC、UL、A2LA、FCC、CEC、ETL、Eurofins-MET、德国TUV莱茵、TUV南德、英国ITS、西班牙Applus、澳洲SAA、加拿大CSA、ISED、挪威NEMKO、智利SEC、巴西INMETRO、香港机电署EMSD、韩国KTC等国际机构认可授权，检测报告具有权威公信力。

NTEK的博士后创新基地拥有多名海内外博士和众多相关标委会委员，范围覆盖全国汽车标准化技术委员会（NTCAS）、全国胶黏剂标准化技术委员会（SAC/TC185）、全国皮革工业标准化技术委员会（SAC/TC252）、全国电工电子产品与系统的环境标准化技术委员会（SAC/TC297）、全国无线电干扰特别委员会（CISPR）等，参与多项国标/行标的制修订工作。

NTEK致力于建设安全、环保、健康的和谐社会，力图在检验、鉴定、测试、认证及质量研究领域成为最受人信赖的机构。我们承诺会严格遵守作业程序、执行检验检测标准，坚持客观独立、公平公正的诚信原则、恪守职业道德、承担相应社会责任，始终如一地向全球客户提供质量和安全服务。

NTEK Group (hereinafter referred to as NTEK), is not only a national high-tech enterprise but also an integrated public test platform for new materials and electronic products. As the pioneer of third-party testing and verification services in China, NTEK is also one of the earliest professional laboratories that engaged in commodity products inspection, verification, testing, certification and other services.

For decades of development, NTEK sets up comprehensive testing laboratory areas in South China, East China, Central China, North China and Southwest China. NTEK has high-end labs such as EMC lab, RF lab, New energy lab (all kinds of batteries, charging piles), electrical safety, energy efficiency, physical and chemical analysis lab (electrical and electronic prohibited substances, toys and baby products, textile, leather and shoes, accessories and bags, food and contact materials), metallic and nonmetallic material detection and analysis, environmental reliability, failure analysis, epidemic prevention materials, biosafety, biodegradable material, vehicle and components' VOC test/ELV test/odor test/fogging test/reliability test/functional test, automotive electronics EMC test and so on. NTEK can truly providediversified, one-stop testing and certification services for the global customers.

NTEK laboratories are established and implemented in strict accordance with the ISO/IEC 17025:2017 standard, and are laboratories accredited by the China National Accreditation Service for Conformity Assessment (CNAS: L5516) and the International Laboratory Accreditation Cooperation (ILAC). In addition, NTEK laboratories obtained the import and export commodity inspection and accreditation body qualification certificate of the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China. NTEK laboratories are also the National mandatory product certification (CCC) designated laboratory, China Quality Certification Center (CQC) entrust authorized test lab, CMA authorized test lab.

As a comprehensive and professional international third party testing agency, NTEK has been authorized by many international organizations. Including the United States CPSC, UL, FCC, CEC, ETL, Eurofins-MET, German TUV Rhein, UK ITS, Spain Applus, Australia SAA, Canada CSA, ISED, Norway NEMKO, Chile SEC, Brazil INMETRO, Hong Kong Electrical and Mechanical Services Department (EMSD), Korea KTC and so on, which could provide authoritative and professional test reports.

NTEK's post-doctoral innovation base has a number of doctors at home and abroad and many related standard committee members, covering the National Automotive Standardization Technical Committee (NTCAS), the National Adhesive Standardization Technical Committee (SAC/TC185), and the National Leather Industry Standardization Technical Committee (SAC/TC252), National Technical Committee for Environmental Standardization of Electrical and Electronic Products and Systems (SAC/TC297), National Radio Interference Special Committee (CISPR), etc. NTEK has participated in the formulation and revision of a number of national standards/industry standards.

NTEK is devoted to establish a safe, environmentally friendly and healthy harmonious society and trying to become the most trusted institution in the field of inspection, verification, testing, certification and quality research. NTEK commits to strictly abide by operating procedures, implement inspection and testing standards, adhere to the principle of objective, independent, fair and impartial integrity, adhere to professional ethics, assume corresponding social responsibilities, and consistently provide quality and safety services to customers around the world.

资质荣誉与授权

QUALIFICATION & AUTHORIZATION



CNAS认可
中国合格评定国家认可委员会认可
By the China National Accreditation
(CNAS) approval



国际电工委员会 (IECEE)
认可实验室
CB Testing Laboratory



国家级高新技术企业
International High-Tech Enterprise



博士后创新实践基地
Post-doctoral Innovation Base



CMA计量认证资质
Owns Qualification Certificate Of
Meteorology Attestation



美国实验室认可协会
授权实验室 (A2LA)
accredited LABORATORY insurers
authorized laboratory



新材料与电子产品综合公共
测试平台
Public Testing Platform Of New Materials
And Electronics



全国汽车标准化委员会组员
China Auto Standardization Committee
Members



进出口商品检验鉴定机构 (AQSIQ)
International High-Tech Enterprise



UL授权实验室
The United States UL insurers authorized
laboratory



绿色制造检测公共技术服务平台
Public Testing Platform Of New Materials
And Electronics



全国电子产品与系统的环境
标准化技术委员会会员
The National Electronic Product And System Environment
Standardization Technical Committee Members



中国强制产品认证 (民营首批)
China Compulsory Certification for safety
product lines (The first private group)



美国联邦通讯委员会
认可授权室
Shenzhen e-commerce product quality and
Safety Promotion Association



先进测试技术开发平台
北京大学深圳系统芯片设计重点实验室
Key Laboratory of Peking University Advanced testing
echnology development platform Shenzhen
Processor-based SoC Platforms



全国无线电干扰标准化技术
委员会会员
Member of The National Committee on
Radio Interference



CQC委托检测实验室
中国质量认证中心 (电池民营第一家)
China Quality Certification Center CQC entrusted
testing lab (First Civilian-Run Enterprise For Battery)



国际安全运输协会 (ISTA)
认可实验室
ISTA Certified Testing Laboratory



中国电子质量管理协会会员
China Quality Management Association for
Electronics Industry Members



亚马逊 Amazon 第三方卖家服务商
Third-party Seller Service Provider for Amazon



检测服务

TESTING SERVICE

NTEK凭借先进的检测设备，丰富的专业知识与测试经验，依据各国法规标准及客户的市场需求提供专业的测试服务，使产品符合相关法规要求，帮助客户快速获取精准测试结果，为客户提供一站式检测分析服务，助力客户顺利赢得市场。

With advanced testing equipment, abundant professional knowledge and test experience, NTEK can provide professional testing services according to national regulatory standards and customer's marketing needs. So as to help our customer's products meet the relevant regulatory requirements and get the accurate test results quickly. NTEK can truly provide one-stop certification testing services for our customers and help them successful access in the global market.



检测服务范围能力如下 Ability to detect service range is as follows

电子电器 Electronic appliances

- 家用电器及配件 Household appliances and fittings

- 音视频设备 Audio and video equipment

- 照明灯具及配件 Lighting products and fittings

- 可穿戴设备 Wearable Devices

- 电子元器件 Electronic components

通信&物联网 Communication & IOT

- 无线通讯产品 Wireless communication products

- 移动终端设备 Mobile terminal equipment

- 信息技术设备 IT products

- 智能家居 Smart home products

- 智能机器人 Intelligent robot

工业品 Industrial products

- 汽车零部件及内外饰件 Auto parts and accessories

- 汽车电子电气 Auto electronic equipment

- 轨道交通零部件 Rail Transit components

- 航空零部件 Aerospace construction components

- 汽车充电桩 Auto charging pile

日用消费品 Consumer goods

- 玩具婴童用品 Toys, baby supplies

- 纺织服装 Textiles and clothing

- 鞋材箱包 Shoes and luggage products

- 五金、建材 Hardware, building materials products

- 香料香水 Perfume

机械安全 Mechanical safety

- 电动工具 Power tools

- 仪表和控制系统 Instrumentation and control system

- 机电设备 Electromechanical equipment

- 机床加工设备 Machine tool processing equipment

- 工程材料 Engineering materials

材料&化工 Materials & Chemicals

- 金属材料 Metal materials

- 高分子材料 Polymeric materials

- 涂料涂层 Paint coating

- 食品接触材料 Food and beverage supplies

- 可降解材料 Biodegradable material

新能源 New energy

- 电芯 Battery cell

- 电池 Battery

- 新能源风电产品 New energy wind power products

- 滑板车 Scooter

- 电动自行车 Electric bicycle

医疗器械 Medical Devices

- 家庭保健器材 Family health care equipment

- 医疗康复设备 Medical rehabilitation equipment

- 家庭护理设备 Home care equipment

- 医用口罩 Medical mask

- 医用手套 Medical glove

防疫产品 Epidemic prevention products

- 熔喷布 Meltblowncloth

- 防护口罩 Protective mask

- 额温枪 Forehead thermometer

- 防护防护服 Protective clothing

- 手套 Glove

认证服务

CERTIFICATION SERVICE

NTEK作为国内外知名的认证机构，不断优化认证流程、精益求精，获得欧美众多主流发证机构的认证授权。致力于为您提供节约时间和开支的一站式测试认证服务，为企业产品走向市场提供更大的竞争优势。

This is an era of change and innovation, which is also an era of quality. After more than a decade hard working, NTEK constantly optimized the certification process, pursued excellence works and won dozens of international agencies authorized. NTEK believes efficient and fast workflow and high-effective certification services can help enterprises achieve product market value and got greater competitive advantage.

国际：CB

日本：MIC、VCCI、圆形PSE、菱形PSE、METI、S-MARK

中国：CCC、CQC、SRRC、入网许可、能效标识、节能认证、国推ROHS、质检报告

北美：美国FCC、UL、FDA、ETL、Energy Star、DOE、CEC、

欧洲：欧盟CE、RED、MD、GS、TUV-mark、ENEC、VDE、WEEE、英国BS、

EPA、加拿大IC、CSA(safety)、cUL、cETL、NRCAN

BEAB、UKCA



多国认证服务

INTERNATIONAL APPROVALS – WE OFFER SERVICES WORLDWIDE

NTEK多国团队拥有丰富的经验，可以帮助企业获得国际产品认可并充分理解整个过程，以便将其产品推向新市场。无论您的公司是处于产品开发阶段，测试阶段，认证阶段，市场营销阶段还是销售阶段，我们都会帮助您进行指导，以便您获得国外认可，国际市场准入和国际产品合规性。

The NTEK international certification team has rich experience to help companies gain international product recognition and fully understand the certification process in order to bring their products to new markets. Whether your products are in development, testing, certification, marketing or sales phase, we can help guide you to gain foreign recognition, international market access and international product compliance.

亚太 Asia-Pacific

- 韩国：KC,E-standby,MEPS
- 越南：MIC,DOC
- 巴基斯坦：PTA
- 斯里兰卡：TRC
- 台湾：BSMI,NCC
- 印度：BIS,ISI,WPC,TEC,PESO
- 新加坡：PSB,IMDA
- 马来西亚：SIRIM,ST COA
- 香港：HK-MARK,OFTA,香港能效
- 印尼：SNI,SDPPI
- 柬埔寨：ISC,MPTC
- 泰国：TISI,NBTC
- 澳门：CTT
- 澳大利亚：SAA,RCM,GEMS,A-TICK
- 巴布亚新几内亚：PNG

独联体国家 CIS

- 乌兹别克斯坦：TASHKENT
- 乌克兰：UA RED
- 亚美尼亚：PSRC
- 白俄罗斯：MOCI

非洲 Africa

- 埃及：NRTA
- 肯尼亚：KCA
- 刚果（金）：ARPCE
- 尼日利亚：NCC
- 坦桑尼亚：TRCA
- 南非：NRCS,ICASA,SABS
- 喀麦隆：ART
- 纳米比亚：CRAN

- 摩洛哥：ANRT

- 埃塞尔比亚：MCIT

- 乌干达：UCC

拉美 South America&Caribbean

- 巴西：INMETRO,ANATEL

- 阿根廷：IRAM,ENACOM

- 墨西哥：NOM,IFETEL,CONUEE

- 智利：SEC,SUBTEL

- 乌拉圭：URSEC

- 秘鲁：MTC

- 巴拉圭：CONATEL

行业及协议认证 Logo mark

- Wifi 联盟认证

- 蓝牙BQB

- Zigbee

- USB：QC,PD,Qi,HDMI

- 运营商：JATE,PTCRB,GCF

清关验货服务 Government service

- 阿尔及利亚 COC

- 埃塞俄比亚 COC

- 沙特阿拉伯 COC

- 摩洛哥 COC

- 肯尼亚 COC

- 加蓬 COC

- 科特迪瓦 COC

- 尼日利亚 COC

- 埃及 COC

- 苏丹共和国 COC

不要陷入多国市场准入的困扰之中。让NTEK帮助您。我们会在产品发布的所有阶段协助制造商。

Don't get caught up in the chaos when access into international market. Let NTEK help you. We assist manufacturers at all stages of product launch.





测试项目 Test Items

- 辐射骚扰
Radiated Emission
- 传导骚扰电压
Conducted Emission
- 振铃波抗扰度
Ring wave immunity
- 天线端骚扰电压
Conducted Emission (Antenna port)
- 骚扰功率
Disturbance Power
- 断续端子骚扰电压
Conducted Emission (Discontinuous)
- 辐射功率
Radiated Power
- 浪涌
Surge
- 谐波电流
Harmonic Currents
- 电压波动和闪烁
Voltage Changes, Fluctuations And Flicker
- 静电放电
Electrostatic discharge
- 辐射抗扰度
Electromagnetic Field Immunity
- 电快速脉冲群
Electrical fast transient/burst
- 射频输出端
Disturbance voltage at the RF output terminals
- 传导抗扰度
Conducted Immunity
- 工频磁场
Power Frequency Magnetic Field
- 电信端口传导骚扰
Conducted Emission (Telecommunication port)
- 电压跌落
Voltage dips, short interruptions



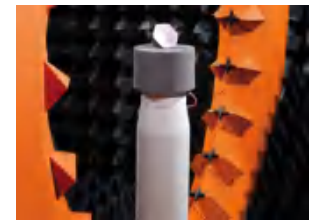
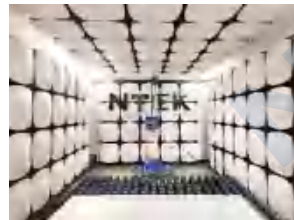
无线射频实验室

RF LAB



测试项目 Test Items

- 射频输出功率
RF Output Power
- 功率谱密度
Power Spectral Density
- 占空比
Duty cycle
- 自适应性
Adaptivity
- 频道占用带宽
Occupied Channel Bandwidth
- 边带
Band Edge
- 接收阻塞
Receiver Blocking
- 接收杂散
Receiver Spurious Emissions
- 发射杂散
Transmitter unwanted emissions in the spurious domain
- 接收灵敏度
Receiver Sensitivity
- 跳频间隔
Hopping Frequency Separation
- 频率误差
Frequency error
- 动态频率选择
Dynamic Frequency Selection (DFS)
- 有效辐射功率
Effective Radiated Power
- 传导杂散
Conducted Spurious Emissions
- 临近频道功率
Adjacent channel power
- 有效全向辐射功率
Equivalent Isotropic Radiated Power
- GSM/WCDMA 射频性能测试(3GPP TS 51.010/3GPP TS 34.121)
GSM/WCDMA Radio performance test(3GPP TS 51.010/3GPP TS 34.121)
- LTE 射频性能测试(3GPP TS 36.521)
LTE Radio performance test(3GPP TS 36.521)
- 天线OTA性能测试
Antenna OTA Performance Test
- 输出频谱
Output RF spectrum
- 临近频道功率泄漏比
Transmitter Adjacent Channel Leakage power Ratio (ACLR)
- 临近频道选择性
Receiver Adjacent Channel Selectivity (ACS)
- 频率稳定度
Frequency Stability for Temperature & Voltage
- Bluetooth®发射机性能测试
Bluetooth® Transmitter performance test
- WLAN发射机性能测试
WLAN Transmitter performance test
- 电磁波吸收比率 (SAR测试)
Electromagnetic wave absorption ratio (SAR test)



5G 通信&物联网 实验室

5G NR & IOT LAB



测试项目 Test Items

- 5G NR 射频性能测试 3GPP 38.521
5G NR Radio Performance Test
- 发射机最大输出功率
Transmitter maximum output power
- 发射机频谱发射模板
Transmitter spectrum emission mask
- 发射机杂散发射
Transmitter spurious emissions
- 发射机最小输出功率
Transmitter minimum output power
- 接收机邻频干扰
Receiver adjacent channel selectivity (ACS)
- 接收阻塞特性
Receiver blocking characteristics
- 接收杂散响应
Receiver spurious response
- 接收互调特性
Receiver intermodulation characteristics
- 接收机杂散发射
Receiver spurious emissions
- 发射机邻频泄露功率
Transmitter adjacent channel leakage power ratio
- 接收机参考灵敏度
Receiver Reference Sensitivity Level



安全实验室

SAFETY LAB



测试项目 Test Items

- 输入测试
Input test
- 电容放电测试
Discharge of capacitors
- 潮态测试
Humidity Conditioning
- 工作电压测试
Working voltage test
- 电源线拉力测试
Strain Relief Test
- 稳定性测试
Stability test
- 跌落测试
Drop Test
- 应力消除测试
Stress relief test
- 空载功率测试
No-load power test
- 电视能效测试
TV energy efficiency test
- 滚筒跌落测试
Tumbling barrel test
- 温升测试
Temperature rise test
- 接触电流试验
Touch current test
- 电气强度测试
Electric strength test
- 故障测试
Abnormal operating test
- 灼热丝测试
Glow-wire test
- 针焰测试
Needle flame test
- 水平垂直燃烧测试
Horizontal and vertical burning test
- 球压测试
Ball pressure test
- 绝缘阻抗测试
Insulation resistance test
- 10kV浪涌电压测试
10kV surge test
- 结构检查
Construction inspection
- 漏电起痕指数测试
Comparative tracking index (CTI) test
- 运动部件防护测试
Protection against moving part test
- 吊重测试
Wall or ceiling mounted equipment
- 接地连续性测试
Grounding continuity test
- 安全特低电压电路(SELV)测试
Safety extra low voltage circuit (SELV) test
- 限电流电路(LCC)测试
Limited current circuit (LCC) test
- 限功率源(LPS)测试
Limited power source (LPS) test
- 插头形状和尺寸测试
Plug shape and dimension test



电气性能实验室 ELECTRICAL PERFORMANCE LAB

电气性能测试 Electrical Performance Test

电气性能测试是通过专业的测试工具模拟多种正常、峰值以及异常条件来对系统的各项性能指标进行评估的测试，主要包括基本性能测试、环境可靠性测试、器件可靠性评估等测试，北测可以对电子产品及电子元器件进行全指标的测试，以验证产品是否满足承诺的指标和功能，辅助客户在产品的研发、设计、定型阶段，对产品进行的器件级的分析，以加快客户的研发进度，提升产品的可靠性。

Electrical performance test is through the professional test equipment to simulate a variety of normal, peak and abnormal conditions to evaluate each performance parameters of DUT, mainly includes basic performance test, environmental reliability test, and component reliability evaluation, NTEK can finish all the parameters test of electronic products and electronic components, to verify whether the product meets the parameter and function who is committed to, and to assist customers to finish component level analysis in the period of R&D, design, and final verification phase, in order to help customer to accelerate the R&D progress , improve the product reliability.

服务领域 Service Field

- 汽车电子
Automotive Electronic
- 电动工具
Electric Tool
- 通信产品
Telecommunication Production
- 智能硬件
Intelligent Hardware
- 影音设备
Audio and Video Equipment
- 电源系统
Power Supply System
- 家用电器
Household Appliances
- 电子元器件
Component

我们的优势 Our Advantage

- 齐全的环境模拟设备
Complete environment simulation equipment
- 器件级的检测能力
Component Level Test Capability
- 多年的专业积累
Years of Professional Accumulation
- 器件选型支持
Component Election Support
- 专业的分析仪器
Professional Analytical Equipment
- 强大的失效分析能力
Strong Ability of Failure Analysis



新能源实验室

NEW ENERGY LAB



测试项目 Test Items

- 高度模拟
Low pressure
- 温度循环
Temperature cycling
- 热滥用
Thermal abuse
- 燃烧抛射体测试
Projectile
- 强制内部短路测试
Forced internal short circuit
- 包装跌落测试
Packages drop test
- 防爆测试
Atroxosphere Explosives Test
- 静电放电测试
Electrostatic discharge
- 过度放电
Over discharge
- 设计评估
Design evaluation
- 电池电化学分析
Electrochemical analysis
- 电池材料特性分析
Battery materials analysis
- 振动
Vibration
- 机械冲击
Mechanical shock
- 自由跌落
Free fall
- 挤压
Crush
- 重物冲击
Impact
- 额定容量
Rated capacity
- 环境测试
Environmental test
- 机械测试
Mechanical Test
- 强制放电
Forced discharge
- 外部短路
External short circuit
- 内阻
Internal resistance
- 放电性能
Discharge performance
- 过度充电
Over charge
- 高倍率充电
High-rate charging
- 耐久寿命
Endurance
- 荷电保持和恢复
Charge retention and recovery
- 火焰暴露试验
Fire Exposure Test
- 机械测试
Mechanical Test



可靠性实验室 ENVIRONMENTAL RELIABILITY LAB

检测项目 Test Items

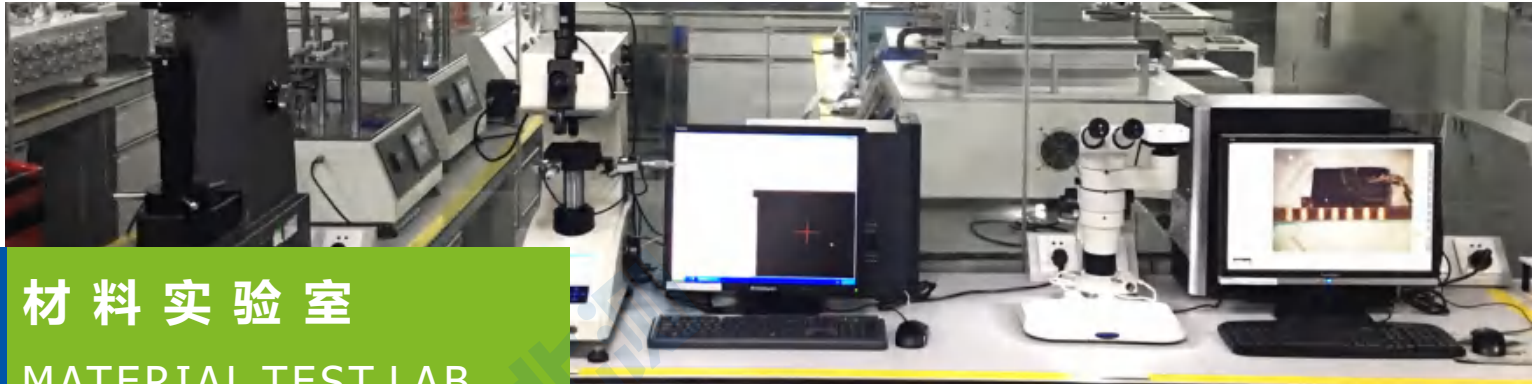
环境可靠性 Environmental reliability

- 温湿度试验（高/低温，恒定湿热，交变湿热，温湿度循环，快速温变，温度冲击等）
Temperature and humidity test (high/low temperature, constant damp heat,cyclic damp heat,temperature and humidity cycle,rapid temperature,thermal shock etc.)
- 腐蚀试验（中性盐雾，酸性盐雾，铜离子盐雾，交变循环盐雾，气体腐蚀，臭氧老化，低气压等）
Corrosion test (Nss,Asss,Cass,Cct test,Mixed gas,Ozone aging,low air pressure etc.)
- 光老化试验（碳弧灯测试，紫外UV老化，氙灯老化，金属卤素灯等）
Light aging test (Carbon-arc lamp,UV, Xenon-Arc Weathering, Solar Radiation etc.)

机械可靠性 Mechanical reliability

- 机械试验（机械振动，机械冲击，机械碰撞，三综合试验，跌落，落球冲击，自动插拔，疲劳耐久等）
Mechanical test (Mechanical Vibration,Mechanical Shock,Dump,Environmental Vibration test,Drop,Falling Ball Impack, Automatic plug and pull, fatigue etc.)
- IP防护（防尘，防水）
IP Code (Dustproof,Waterproof)
- 包装运输（堆码，包装抗压，振动，冲击，跌落，碰撞，水平夹持，低气压等）
Packing and transportation test (stacking, packaging compression ,vibration, shock, drop, bump, horizontal clamping, low pressure etc.)



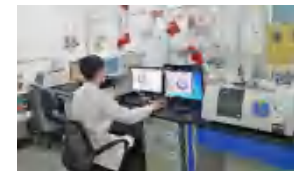
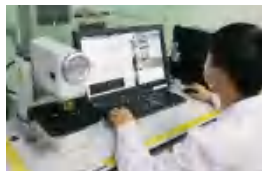


材料实验室

MATERIAL TEST LAB

服务范围 Service Scope

- 抗拉强度
Tensile strength
- 屈服强度
Yield strength
- 断后伸长率
Elongation
- 弹性模量(E)
Modulus of elasticity(E)
- 弯曲试验
Bend test
- 压缩强度
Compressive strength
- 压缩模量
Modulus of compressibility
- 压缩永久变形
Compression set
- 剥离强度
Peel Strength
- 悬臂梁冲击
Izod Impact strength
- 简支梁冲击
Charpy Impact strength
- 扭矩
Torque
- 热变形温度
Heat deflection temperature
- 维卡软化测试
Vicat softening temperature(VST)
- 熔融指数
Melt Flow Rates of Thermoplastics
- 耐溶剂性
Chemical Resistance
- 灰分
Ash content
- 玻纤含量
Glass fiber content
- 邵氏硬度HA
Shore hardness
- 维氏硬度HV
Vickers hardness test
- 洛氏硬度HR
Rockwell hardness test
- 显微维氏硬度
Micro Vickers Hardness Test
- 密度
Density
- 色差
Color difference
- 光泽度
Glossiness
- 透光率
Transmittance
- 附着力
Adhesion
- 铅笔硬度
Pencil hardness
- 耐刮擦
Scratch resistance
- 五指刮擦
Five fingers scratching
- 磨耗性能
Abrasion performance
- RCA耐磨
RCA Abrasion
- 初粘性(滚球法)
Tack (rolling ball method)
- 垂直持粘性
Holding Power in vertical direction
- 漆膜柔性
Paint film flexibility
- 吸水率
Water absorption
- 高分子材料定性
FTIR
- 热失重分析
TGA
- 玻璃化转变温度
Determination of glass transition temperature
- 涂镀层厚度
Coating Thickness
- 电位差
Electric potential difference
- 切片分析
Slice analysis
- 金属失效分析
Metal failure analysis
- 金属断口分析
Analysis of metal fracture surface
- 断口金相组织
Fracture microstructure
- 金相分析
Microscopic analysis
- 表面围观形貌观察
Observation of surface Microtopography
- 内饰件燃烧测试
Flammability of automotive interior materials





失效分析实验室 FAILURE ANALYSIS LAB

材料及构件失效分析 Failure analysis of materials and components

- 成分定性分析
Qualitative analysis of composition
- 成分定量分析
Quantitative analysis of composition
- 断面分析
Cross section analysis
- 微观结构分析
Microstructure analysis
- 腐蚀老化失效分析
Corrosion aging failure analysis
- 磨损断裂机理分析
Analysis of wear and fracture mechanism
- 异物分析
Foreign matter analysis

电子元器件失效分析 Electronic component failure analysis

- 开封
Decap
- 目视检查
Visual inspection
- 引线键合强度
bonding wire strenght
- BGA(PCB)&IC电路提图服务
BGA (PCB) &IC circuit Titus service
- 取晶粒
Bare die Extraction
- 激光切割
Laser cutting
- 芯片粘结强度
The bonding strength of the chip
- 扫描电镜应用
SEM/EDS application
- 去金凸块
De-Gold Bump
- 静电放电 (ESD) 测试
Static discharge (ESD) test
- 芯片去层
Delsyer
- OBIRCH 应用
OBIRCH application
- 红墨水试验
Dye&Pry test
- 探针测试
Probe test
- 背面研磨
Backside Polishing
- EMMILC 液晶热点侦测
EMMILC liquid crystal hot spot detection
- FIB-线路修补
FIB - line repair
- LCR测试
LCR test
- 高解析度显微拍照
High resolution micrograph
- 超声波扫描分析
C-SAM analysis
- X射线透视
X-Ray
- I-V曲线量测
I-V curve measurement
- 横截面切片
Cross section section





理化分析实验室

PHYSICO-CHEMICAL ANALYSIS LAB

服务范围 & 测试项目 Service Scope & Test Items

汽车及零部件 Vehicle and parts

- 禁用物质, 挥发性有机物, 雾化, 气味, 多环芳烃, 石棉, 邻苯二甲酸盐, 全球汽车申报物质清单等
ELV, VOC, Fogging, Odor, PAHs, Asbestos, Phthalates, GADSL, etc.

电子电气产品 Electronic and electrical products

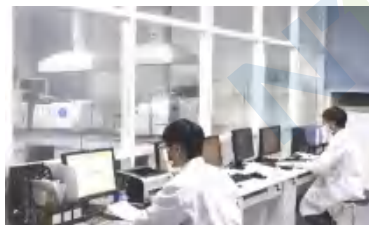
- RoHS, REACH SVHC, REACH 附录17限用物质, 卤素, 欧盟电池指令, POPs, WEEE, MSDS等
RoHS, REACH SVHC, REACH annex XVII restricted substances, Halogen, Directive 2006/66/EC, POPs, WEEE, MSDS, etc.

食品接触材料 Food Contact material

- 全面迁移, 感官测试, 重金属含量, 可溶出重金属, 有机挥发物总量, 芳香胺, 甲醛, 聚氯乙烯单体, 五氯苯酚等
Overall migration, Sensory test, Total heavy metal, Migration of certain elements, TVOC, Aromatic amine, Formaldehyde, Polyvinyl chloride monomer, Pentachlorophenol, etc.

玩具/饰品/箱包鞋材/纺织品 Toys & Textiles

- 重金属总量, 可溶性重金属, 六价铬, 镍释放, pH值, 偶氮染料, 邻苯二甲酸盐, 有机锡化合物, 甲醛, 富马酸二甲酯, 阻燃剂, 致敏染料, 包装测试等
Total heavy metal, Migration of certain elements, Chromium VI, Nickel release, pH value, Azo dye, Phthalates, Organic tin, Formaldehyde, Dimethyl fumarate, Flame retardant, Disperse dyes, Packaging test, etc.





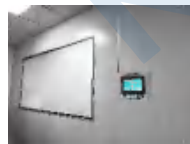
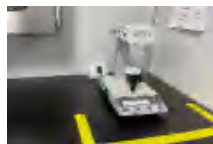
防疫物资实验室 EPIDEMIC PREVENTION MATERIALS LAB

服务项目 Items

- CE、FDA、全球认证
CE, FDA, global certification
- 口罩、手套、防护服、护目镜检测等一站式服务
Mask, Gloves, Protective clothing, goggles and so on, we provide one-stop service.

检测能力 Detection Capability

- EN 149:2001+A1:2009 Respiratory protective devices — Filtering half masks to protect against particles — Requirements, testing, marking
- GB 2626-2019 呼吸防护 自吸过滤式防颗粒物呼吸器
Respiratory protection-Non-powered air-purifying particle respirator
- GB 2626-2006 呼吸防护用品 自吸过滤式防颗粒物呼吸器
Respiratory protective equipment-Non-powered air-purifying particle respirator
- GB/T 32610-2016 日常防护型口罩技术规范
Technical specification of daily protective mask
- EN 14683:2019+AC Medical face masks-Requirements and test methods
- GB 19083-2010 医用防护口罩技术要求
Technical requirement for protective face mask for medical use
- YY/T 0969-2013 一次性使用医用口罩
Single-use medical face mask
- YY 0469-2011 医用外科口罩
Surgical mask
- GB/T 38880-2020 儿童口罩技术规范
Technical specification of children mask
- 危险化学品和微生物防护手套
ISO 374-1 : 2016 Protective gloves against dangerous chemicals and micro-organisms
- 材料的抗化学物质渗透性能的测定-第1部分：在持续接触的条件下液态化学品的渗透
EN 16523-1 : 2015 Determination of material resistance to permeation by chemicals- Part 1: Permeation by liquid chemical under conditions of continuous contact
- 防护手套通用要求及测试方法
ISO 21420-2020 Protective gloves — General requirements and test methods
- GB/T 29511-2013 防护服 固体颗粒物化学防护服
Protective clothing—Chemical protective clothing against solid particulates
- EN 13034:2005+A1:2009 化学液体防护服
Protective clothing against liquid chemicals





生物安全实验室 BIOSAFETY LAB

测试项目 Test Items

- 杀菌试验
Germicidal test
 - 生物相容性
Biocompatibility
 - 细胞毒性试验
Vitro Cytotoxicity Test
 - 致敏试验
Skin Irritation Test
 - 皮肤刺激试验
Skin Sensitization Test
- 悬液定量抑菌试验
Suspension quantitative bacteriostatic test
 - 载体浸泡定量抑菌试验
Carrier immersion quantitative bacteriostatic test
 - 载体抑菌试验
Bacteriostatic test of carrier
 - 浸渍抑菌试验
Dipping bacteriostatic test
 - 悬液定量杀菌试验
Suspension quantitative germicidal test
- 细菌过滤效率
Bacterial filtration efficiency
 - 微生物清洁度
Microbial cleanliness
 - 贴膜试验
Film test
 - 持续抗菌试验
Air quality monitoring
 - 载体杀菌试验
Sterilization test of carrier
- 烧瓶震荡试验
Flask shaking test
 - 溶性抗（抑）菌产品抑菌性能试验方法
Test method for bacteriostatic performance of dissoluble anti bacteria products
 - 非溶性抗（抑）菌产品抑菌性能试验方法
Test method for bacteriostatic performance of non dissolution anti bacteria products
 - 微生物指标
Microbiological index
 - 浸渍杀菌试验
Immersion sterilization test





可降解材料实验室 BIODEGRADABLE MATERIAL TESTING LAB

检测能力 Detection Capability

- GB/T 19276.1-2003水性培养液中材料最终需氧生物分解能力的测定 采用测定密闭呼吸计中需氧量的方法
Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium-Method by measuring the oxygen demand in a closed respirometer
- GB/T 19276.2-2003水性培养液中材料最终需氧生物分解能力的测定 采用测定释放的二氧化碳的方法
Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium-Method by analysis of evolved carbon dioxide
- GB/T 32106-2015塑料 在水性培养液中最终厌氧生物分解能力的测定 通过测量生物气体产物的方法
Plastics-- Determination of the ultimate anaerobic biodegradation of plastic materials in an aqueous system. Method by measurement of biogas production
- GB/T 19277.1-2011受控堆肥条件下材料最终需氧生物分解能力的测定 采用测定释放的二氧化碳的方法 第1部分:通用方法
Determination of the ultimate aerobic biodegradability of plastic materials under controlled composting conditions. Method by analysis of evolved carbon dioxide. Part 1:General method
- GB/T 19811-2005在定义堆肥化中试条件下塑料材料崩解程度的测定
Determination of the degree of disintegration of plastic materials under defined composting conditions in a pilot-scale test
- GB/T 28206-2011可堆肥塑料技术要求
Specification for compostable plastic
- AS 5810-2010可庭院堆肥塑料技术规范
Biodegradable Plastics-Biodegradable Plastics Suitable For Home Composting
- GB/T 22047-2008土壤中塑料材料最终需氧生物分解能力的测定 采用测定密闭呼吸计中需氧量或测定释放的二氧化碳的方法
Plastics--Determination of the ultimate aerobic biodegradability in soil by measuring the oxygen demand in a respirometer or the amount of carbon dioxide evolved
- ISO 18830-2016塑料 非浮塑料材料在海水/沙质沉积物界面中需氧生物降解的测定 封闭式呼吸器需氧量的测量方法
Plastics--Determination of aerobic biodegradation of non-floating plastic materials in a seawater/sandy sediment interface. Method by measuring the oxygen demand in closed respirometer
- ISO 19679-2020塑料 非浮塑料材料在海水/沉积物界面中需氧生物降解的测定 释放二氧化碳分析法
Plastics --Determination of aerobic biodegradation of non-floating plastic materials in a seawater/sediment interface — Method by analysis of evolved carbon dioxide
- ISO 22404-2019塑料 海洋沉积物中的非漂浮物质的需氧生物降解的测定 释放的二氧化碳分析法
Plastics -- Determination of the aerobic biodegradation of non-floating materials exposed to marine sediment --Method by analysis of evolved carbon dioxide
- GB/T 38737-2020塑料 受控污泥消化系统中材料最终厌氧生物分解率测定 采用测量释放生物气体的方法
Plastics--Determination of the ultimate anaerobic biodegradation of plastic materials in controlled slurry digestion systems. Method by measurement of biogas production
- GB/T 33797-2017塑料 在高固体份堆肥条件下最终厌氧生物分解能力的测定 采用分析测定释放生物气体的方法
Plastics--Determination of the ultimate anaerobic biodegradation under high-solids anaerobic-digestion conditions. Method by analysis of released biogas



汽车零部件实验室 AUTOMOTIVE PARTS LAB

汽车零部件 Automotive Parts

- | | | | |
|------------------------------|-----------------------------|-----------------------------------------------------------------|------------------------|
| ■ 汽车线束
Automotive harness | ■ 座椅
Seat | ■ 车门
Vehicle door | ■ 控制臂
Control arm |
| ■ 插接件
Connector | ■ 导航
Navigation | ■ 门锁
Door Lock | ■ 摆臂
Swing arm |
| ■ 车载充电机
OBC | ■ 仪表台
Instrument desk | ■ 门拉手
Door Handle | ■ 连杆
Connecting rod |
| ■ 电气元件
Electric element | ■ 中控台
Center console | ■ 前后塑料（金属）保险杠雨刮
Front and rear plastic (metal) bumper wipers | ■ 支架
Bracket |
| ■ 组合开关
Combination switch | ■ 车灯
Automotive lighting | ■ 减震器
Damper | ■ 缓冲块
Bumper block |
| ■ 倒车雷达
Reverse sensor | ■ 方向盘
Steering wheel | ■ 悬架弹簧
Bearing spring | ■ 防擦条
Chafing strip |

主要测试项目 Main Test Items

- | | | | | |
|---------------------------------------------|---------------------------------------------|------------------------|------------------------------------------|--------------------------------------------|
| ■ 环境可靠性测试
Environmental reliability test | ■ 电气特性测试
Electrical characteristics test | ■ 禁用物质检测
ELV test | ■ 功能耐久性测试
Functional durability test | ■ 力学特征测试
Mechanical characteristic test |
| ■ 机械可靠性测试
Mechanical reliability test | ■ 功能特性测试
Functional characteristics test | ■ 挥发性有机物检测
VOC test | ■ 功能操作性测试
Functional operability test | ■ 刚度测试
Rigidity test |





汽车电子EMC和充电桩实验室 ATOMOTIVE ELECTRONICS EMC LAB

汽车电子检测标准 Testing Standards

国家标准：GB18655, GB/T17619, GB18387, GB19951, GB/T19056, GB22630, B/T28046, GB21437, GB20816

国际标准：CISPR25, ISO11452-2, ISO11452-3, ISO11452-4, ISO11452-7, ISO11452-8, ISO1145-9, ISO11452-10, ISO10605, ISO7637-2, ISO7637-3, ISO16750

欧盟标准：ECE R10, 2004/104/EC, EN50498

日产/雷诺：28401NDS02, 28400NDS91, RNDS-C-00513

丰田：TSC0501G, TSC0502G, TSC0505G, TSC0506G, TSC3005G, TSC7001G, TSC0504G, TSC7026G

本田：Honda 3982Z-SDA-0030

广汽：QJ/GAC 1523.029, QJ/GAC 1523.093

比亚迪：Q/BYDQ-A1901.706.3, Q/BYDQ-A1901.706.4

东风小康：JL-Q / DFKX 198-2018

威马：Q/WM J023011B, Q/WM J023068A

红旗：JA 3700-MH-3, JA 3700-93C-1

一汽：Q/FC-CC06-001A

小鹏：QJ/XP 07JT.22

蔚来：NIO-TP.20.007

上通五菱：BT/SGMWJ 08244

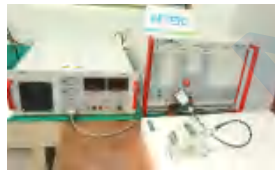
马自达：PW67602B, PW67602D

大众：VW81000, TL965, TL82066, TL82166, TL82466

充电桩检测标准 Gharger

国家标准：GB/T 27930, GB/T 18487.1, NB/T 33001, NB/T 33002, NB/T 33003, NB/T 33008.1, NB/T 33008.2

国际标准：IEC 61851-1, IEC 61851-21-2, IEC 61851-21-1, IEC 61851-23



电商管控服务

E-BUSINESS MANAGEMENT SERVICES

质检服务 QUALITY INSPECTION SERVICE

为了维护消费者合法权益，进一步督促商家重视产品质量安全，淘宝、天猫商城、京东商城、拼多多、苏宁易购、亚马逊、小米有品等多家平台对卖家实行新的准入规定，即每个产品类目至少提供一份具有权威机构出具的质检报告。同时，大多数平台已经启动商品抽检制度，即定期根据平台交易、退款、投诉等数据信息对商品进行抽检，并委托国家认可的第三方质检机构进行检测。

In order to protect the legitimate rights and interests of consumers, and urge companies pay more attention to product quality and safety. Taobao, Tmall, Jingdong Mall, Pingduoduo, Suning, Amazon, Youpin and other electronic business platform implement a new access requirements for the sellers, that is, each product category should at least provide a quality inspection report issued by the testing authority in order to safeguard the consumers' lawful rights and interests, and further urge businesses to attach importance to product quality and safety. Most of the electronic business platform has launched a commodity sampling system at the same time, that is, they would sample the products based on the platform transactions, refunds, complaints and other data of the goods, and appoint the national recognized third-party quality inspection agencies to perform the test.

合作平台

COOPERATION PLATFORM



战略合作

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NTEK北测集团品牌公信力以及专业的服务能力，得到了国内外客户（美的、阳光电源、正浩、富士康、TCL、格力、优必选、360、科大讯飞、康佳、AMAZON、NOKIA、SAMSUNG、LG、NEC、JBL、SHARP、ACER、LACOSTE、比亚迪、上汽、丰田、本田、日产、广汽、北汽、小鹏、蔚来等）和同行（TUV Rheinland、Intertek、UL、TUV SUD、CSA、Nemko、KTC等）的认可，在同行树立了品牌与信誉。

我们用最专业的技术，为您提供最好的产品解决方案！

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We use the most professional technology, to serve you the best product solutions!



战略合作企业不分排名先后

如您有需要立即联系我们

PLEASE FEEL FREE TO CONTACT US IF YOU
HAVE ANY QUESTION

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