

M S D S

报告编号

: MTi260703023-0702B4

Report No.

签发日期

: 2026-08-20

Date of Issue

委托单位

深圳零零无限科技有限公司
: Shenzhen Zero Zero Infinity Technology Co.,
Ltd.

Applicant

产品名称

可充式锂离子电池组
: Rechargeable Li-ion Battery

Product Name

深圳市微测检测有限公司

Shenzhen Microtest Co., Ltd.

化学品安全技术说明书

Material Safety Data Sheet

第1节 - 化学品和企业标识

Section 1 – Chemical Product and Company Identification

委托单位 Applicant	深圳零零无限科技有限公司 Shenzhen Zero Zero Infinity Technology Co., Ltd.	
委托地址 Applicant's Address	深圳市前海深港合作区南山街道港城街99号深国际前海颐都大厦塔楼401、402 4th Floor, Qianhai E-metro Tower, Shenzhen-Hong Kong Cooperation Zone, Shenzhen, China	
产品名称 Product Name	可充式锂离子电池组 Rechargeable Li-ion Battery	
产品信息 Product Information	商标 Trade Mark	/
	型号 Model	372223PF2
	额定参数 Rating Parameter	3.7V, 193mAh, 0.72Wh
	重量 Weight	3.990g
	尺寸 Dimension	23.80*21.53*3.78 mm
供应商信息 Supplier Information	名称 Name	重庆市紫建电子股份有限公司 Chongqing VDL Electronics Co., Ltd.
	地址 Address	重庆市开州区赵家街道浦里工业新区1-4号楼 Building 1-4, Puli Industrial New Area, Zhaojia Street, Kaizhou District, Chongqing, China
	电话号码 Telephone number	13570883308
	应急电话 Emergency phone number	13570883308
	传真 Fax	/
	邮箱 Email	xiayuansheng@zerozero.cn
推荐用途和限制用途 Recommend use of the chemical and restrictions on use	/	
参考文件	ISO 11014: 2009 化学品安全技术说明书。	

电话: 0755-88850135-1439 手机: 131-4343-1439(微信同号) 网址: <http://www.mtitest.cn> 邮箱: mti@51mti.com

地址: 广东省深圳市宝安区福海街道新和社区福海大道新兴工业园二区7号101

Q/MTI-QP-12-FB004

版本/版次: A2

第2页共13页

Referenced Documents	ISO 11014:2009 Safety data sheet for chemical products
----------------------	--

第2节 - 危害性概述**Section 2 – Hazards Identification**

该产品不在全球统一制度的适用范围内。

The product is outside of the scope of GHS system.

正常使用不危险。请勿拆卸、开启或撕碎电池。暴露于其中的成分或其成分产品可能是有害的。

Not dangerous with normal use. Do not dismantle, open or shred battery. Exposure to the ingredients contained within or their ingredients products could be harmful.

主要危险

Main Hazards

火灾或爆炸危险

Fire or Explosion Hazards

锂离子电池内含有易燃的液体电解质，当其受到高温（150℃）、受损或滥用（例如机械损伤或过度充电）时，可能会释放气体、引发燃烧并产生火花。可能会迅速燃烧并产生闪燃效应。还可能与附近其他电池发生起火。

Lithium ion battery contains flammable liquid electrolyte that may vent, ignite and produce sparks when subjected to high temperatures (150°C), when damaged or abused (e.g., mechanical damage or electrical overcharging). May burn rapidly with flare-burning effect. May ignite other batteries in close proximity.

健康危害

Health Hazards

与电池电解液接触可能会刺激皮肤、眼睛和黏膜。火灾会产生刺激性、腐蚀性或有毒气体。烟雾可能会导致头晕或窒息。

Contact with the electrolyte of battery may be irritating to skin, eyes and mucous membranes. Fire will produce irritating, corrosive and/or toxic gases. Fumes may cause dizziness or suffocation.

第3节-成分/组成信息**Section 3 – Composition/Information on Ingredients**

化学名称 Chemical Name	含量百分比 (%) Percent of Content	CAS编号 CAS No.
Lithium Cobalt Oxide 钴酸锂(LiCoO ₂)	30-50	12190-79-3
Carbon Black 炭黑	0.5-1	1333-86-4
Polyvinylidene Fluoride PVDF	0.5-1	24937-79-9
Aluminum铝(Al)	5-10	7429-90-5
Graphite石墨(C)	15-25	7782-42-5
Styrene-Butadiene Rubber SBR	0.2-1	9003-55-8
Carboxy methyl cellulose CMC	0.2-1	9004-32-4

Copper铜(Cu)	5-15	7440-50-8
Nickel 镍 (Ni)	0.5-1.5	7440-02-0
Lithium hexafluorophosphate 六氟磷酸锂(LiPF6)	1-15	21324-40-3
Ethylene carbonate 碳酸乙烯酯	1-15	96-49-1
1,3-Propanesultone 1,3-丙烷磺酸内酯	0.075-0.6	1120-71-4
Polyethylene 聚乙烯	1-5	9002-88-4
Nylon6 尼龙 6	0.5-1	25038-54-4
Poly(ethylene terephthalate) PET 聚酯膜	0.1-0.5	25038-59-9

第4节-急救措施

Section 4 – First-aid Measures

吸入 Inhalation	如果吸入电池的內部物质，清除污染源或转移受害者到新鲜空气。或者获得医学建议。 If contents of an opened battery are inhaled, remove source of contamination or move victim to fresh air. Obtain medical advice.
皮肤接触 Skin contact	如果皮肤接触到电池的內部物质，尽快清除污染的衣服，鞋子和皮具。立即用温水冲洗至少30分钟。如果刺激或疼痛持续，请就医。彻底清洁衣物、鞋及皮具，然后再使用或弃置。 If skin contact with contents of an open battery occurs, as quickly as possible remove contaminated clothing, shoes and leather goods. Immediately flush with lukewarm, gently flowing water for at least 30 minutes. If irritation or pain persists, seek medical attention. Completely decontaminate clothing, shoes and leather goods before reuse or discard.
眼睛接触 Eye contact	如果眼睛接触到电池的內部物质，立即用温水冲洗污染的眼睛，同时保持眼睑打开至少30分钟。一旦可用，就可以使用中性盐水溶液。如有需要，在送往急救中心的途中继续冲洗。注意不要将受污染的水冲洗到未受影响的眼睛或脸上。迅速将伤者送往急救中心。 If eye contact with contents of an open battery occurs, immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 30 minutes while holding the eyelids open. Neutral saline solution may be used as soon as it is available. If necessary, continue flushing during transport to emergency care facility. Take care not to rinse contaminated water into the unaffected eye or onto face. Quickly transport victim to an emergency care facility.
摄入	如果摄入电池的內部物质，如果受害者迅速失去意识，或者无意识

Ingestion	或抽搐，切勿通过口腔给予任何东西。让受害者用水彻底冲洗口腔。不要催吐。让受害者饮用60至240毫升（2-8盎司）的水。如果呕吐自然发生，让受害者向前倾，以降低误吸风险。让受害者再次用水冲洗口腔。迅速将伤者送往急救中心。 If ingestion of contents of an open battery occurs, never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Have victim rinse mouth thoroughly with water. Do not induce vomiting. Have victim drink 60 to 240 mL (2-8 oz.) of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Have victim rinse mouth with water again. Quickly transport victim to an emergency care facility.
最重要的症状/影响，急性期和延迟期 Most Important Symptoms/Effects, Acute and Delayed	无相关数据。 No data available
需要立即就医及特殊治疗的情况说明（如有必要） Indication of Immediate Medical Attention and Special Treatment Needed, if Necessary:	无相关数据。 No data available.

第5节-消防措施

Section 5 – Fire-fighting Measures

适合的灭火剂 Suitable extinguishing Media	水幕或常规泡沫。 Water spray or regular foam.
不合适的灭火剂 Unsuitable extinguishing Media	无资料。 No data available.
该化学品可能存在的特定危险 Specific Hazards Arising from the Chemical	在燃烧时可能会分解并产生刺激性、腐蚀性或有毒的烟雾。这些烟雾可能导致头晕或窒息。 May decompose upon combustion to generate irritating, corrosive or toxic fumes. Fumes may cause dizziness or suffocation.
消防人员的防护设备和预防措施 Protective Equipment and precautions for firefighters	防护装备：佩戴自给式呼吸器和防护服，以防止皮肤和眼睛与之接触。 灭火工作应在迎风方向进行。未参与其中的人应撤离到安全地带。 Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Fire-extinguishing work is done from the windward. Uninvolved persons should evacuate to a safe place.

第6节-泄漏应急措施

Section 6 – Accidental Release Measures

个人预防措施，防护设备和应急程序 Personal Precautions, protective	佩戴个人防护装备。确保通风良好。让人员远离泄漏区域，并保持泄漏方向的上风处。对于非相关人员的进入，应在泄漏区域周围
--	--

equipment, and emergency procedures	设置围栏加以控制。移除所有火源。 Use personal protective equipment. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Entry to noninvolved personnel should be controlled around the leakage area by roping off. Remove all sources of ignition.
环境保护措施 Environmental Precautions	防止泄漏物进入土壤、沟渠或水源。避免将洗涤废水直接排入环境中。 Avoid leakage getting into the earth, ditches or waters. Avoid directly releasing the washing waste-water into the environment.
防护与清理方法及材料 Methods and Materials for Containment and Cleaning up	若电解液泄漏, 可用土壤、沙子或其他不可燃材料进行吸收。泄漏的电池以及沾染污物的吸附剂应放入金属容器中。 If the electrolyte leaks, use soil, sand or other non-combustible materials to absorb. The leaked batteries and dirty adsorbents should be placed in metal containers.

第7节-操作处理和储存

Section 7 – Handling and Storage

操作处理 Handling	操作人员应接受培训, 并严格遵守操作规程。 穿戴适当的防护服和安全手套。远离火源、高温和明火。 工作现场严禁吸烟。 操作应在通风良好的地方进行。 切勿随意拆卸电池, 也不要再在电池组件内反转电池极性。 电池必须在内包装中牢固包装好, 以有效防止短路和因移动而引起的短路。 如果电解液泄漏, 避免直接接触眼睛和皮肤。避免吸入。 不相容物质: 强氧化剂、易燃材料和腐蚀性物质。 Operators should be trained and strictly abide by operating procedures. Wear appropriate protective clothing and safety gloves. Keep away from ignition sources, heat and flame. No smoking at working site. Handling is performed in a well ventilated place. Avoid disassembling the battery at will and reversing battery polarity within the battery assembly. The battery must be firmly packed in inner packaging so as to effectively prevent short circuits and short circuits caused by movement. If the electrolyte leaks, avoid directly contacting with eyes and skin. Avoid inhalation. Incompatibilities: Strong oxidizing agents, combustible materials and corrosives.
Storage 存储	存放在阴凉、干燥且通风良好的地方。远离火源、高温和明火。 不兼容物质: 强氧化剂、易燃材料和腐蚀性物质。 电池必须用内包装牢固包装, 以有效防止短路和因移动而引起的短路。 存储地点应配备适当种类和数量的消防设备以及泄漏应急处理设备。 Store in a cool, dry, and well-ventilated area. Keep away from ignition sources, heat and flame. Incompatibilities: Strong

	oxidizing agents, combustible materials and corrosives. The battery must be firmly packed in inner packaging so as to effectively prevent short circuits and short circuits caused by movement. Storage place should be equipped with appropriate varieties and quantities of fire fighting equipment and leakage emergency treatment equipment.
--	--

第8节-接触控制和个人防护

Section 8- Exposure Controls and Personal Protection

控制参数

Engineering Controls

GBZ 2.1-2019 《工作场所有害因素职业接触限值化学有害因素》

可溶性镍化合物: PC-TWA 0.5 mg/m³ 备注: G1 (镍化合物), 敏

钴及其化合物(按Co计): PC-TWA 0.05 mg/m³ PC-STEL 0.1 mg/m³ 备注: G2B: 敏

锰及其无机化合物(按MnO₂计): PC-TWA 0.15 mg/m³

石墨粉尘: PC-TWA 4 mg/m³ (总尘); PC-TWA 2 mg/m³ (呼尘)

铜(按Cu计): 铜尘 PC-TWA 1 mg/m³; 铜烟 PC-TWA 0.2 mg/m³

铝金属、铝合金粉尘: PC-TWA 3 mg/m³ (总尘)

聚乙烯粉尘: PC-TWA 5 mg/m³ (总尘)

ACGIH:

石墨: TLV-TWA 2 mg/m³

铜: TLV-TWA 1mg (Cu) /m³, 粉尘, 烟雾; TLV-TWA 0.2 mg (Cu) /m³ 烟雾

铝: TLV-TWA 1 mg/m³

Soluble nickel compounds PC-TWA 0.5mg/m³ Remarks: G1 (Nickel compounds), Sensitization

Cobalt and its compounds (calculated as Co): PG-TWA 0.05 mg/m³; PC-STEL 0.1 mg/m³, G2B, Sensitization

Manganese and its inorganic compounds (calculated as MnO₂): PC-TWA 0.15 mg/m³

Graphite dust: PC-TWA 4 mg/m³ (Total dust); PC-TWA 2 mg/m³ (Respirable dust)

Copper (calculated as Cu): Copper dust PC-TWA 1 mg/m³; Copper smoke PC-TWA 0.2 mg/m³

Aluminum metal, aluminum alloy dust: PC-TWA 3 mg/m³ (Total dust)

Polyethylene dust: PC-TWA 5mg/m³ (Total dust)

ACGIH:

Graphite: TLV-TWA 2 mg/m³

Copper: TLV-TWA 1 mg (Cu) /m³ Dust, smoke; TLV-TWA 0.2 mg (Cu) /m³ Smoke

Aluminum: TLV-TWA 1 mg/m³

适当的工程控制:

有通风系统和设备。提供安全淋浴和洗眼设备。

Appropriate Engineering Controls:

Mechanical exhaust required. Safety shower and eye bath.

个人防护设备

Personal Protective Equipment

呼吸保护: 正常情况下不需要。

手部防护: 如果处理打开或泄漏的电池, 请戴上氯丁橡胶或天然橡胶材料手套。

眼睛防护: 在正常条件下不需要, 如果处理打开或泄漏的电池, 请戴上安全眼镜。

皮肤和身体保护: 在正常情况下不需要, 如果处理打开或泄漏的电

	池，请戴上氯丁橡胶或丁腈橡胶手套。 Respiratory Protection: Not necessary under normal conditions. Hand protection: Wear neoprene or natural rubber material gloves if handling an open or leaking battery. Eye Protection: Not necessary under normal conditions, Wear safety glasses if handling an open or leaking battery. Skin and body Protection: Not necessary under normal conditions, Wear neoprene or nitrile rubber gloves if handling an open or leaking battery.
其他防护 Other Protective	在工作区域附近有一个安全的淋浴喷头和洗眼喷头。 不要在工作区域进食，饮水或吸烟。保持良好的内务管理。 Have a safety shower and eye wash fountain readily available in the immediate work area. Do not eat, drink, or smoke in work area. Maintain good housekeeping.

第9节 - 理化特性

Section 9 - Physical and Chemical Properties

外观 Appearance	固体 Solid
气味 Odor	无臭
pH, 指示浓度 pH, with indication of the concentration	8-9
熔点/凝固点 Melting point/freezing point	>300°C
沸点、初始沸点及沸点范围 Boiling Point, initial boiling point and Boiling range:	无资料 No data available.
闪点 Flash Point	无资料 No data available.
上/下可燃性或爆炸极限 Upper/lower flammability or explosive limits	无资料 No data available.
蒸汽压力 Vapor Pressure:	无资料 No data available.
蒸汽密度:(空气= 1) Vapor Density: (Air = 1)	无资料 No data available.
密度/相对密度 Density/relative density	无资料 No data available.
水中溶解度: Solubility in Water:	无资料 No data available.
n-octanol /water分配系数 n-octanol/water partition	无资料 No data available.

coefficient	
自燃温度 Auto-ignition temperature	无资料 No data available.
分解温度 Decomposition temperature	无资料 No data available.
气味阈值 Odor threshold	无资料 No data available.
蒸发率 Evaporation rate	无资料 No data available.
易燃性(固体、气体) Flammability (solid, gas)	无资料 No data available.
粘性 Viscosity	无资料 No data available.

第10节-稳定性和反应性

Section 10 - Stability and Reactivity

反应性 Reactivity	无资料 No data available.
稳定性 Stability	该产品在正常条件下稳定。 The product is stable under normal conditions.
应避免的情况(例如静电放电、冲击或振动) Conditions to Avoid (e.g. static discharge, shock or vibration)	不要拆卸、压碎、短路或安装极性不正确。避免机械或电气滥用。误操作,明火,高温,机械滥用,过充电,防止短路和防止可导致短路的移动。 Do not disassemble, crush, short or install with incorrect polarity. Avoid misoperation, exposure to heat and open flame. Avoid mechanical or electrical abuse and overcharge. Prevent short circuits and short circuits caused by movement.
不相容的材料 Incompatible Materials	强氧化剂、易燃物和腐蚀品。 Strong oxidizing agents, combustible materials and corrosives.
危险的分解产物 Hazardous Decomposition Products	如果燃烧或暴露在火中, 该材料可能释放有毒烟雾。 This material may release toxic fumes if burned or exposed to fire
危险反应的可能性 Possibility of Hazardous Reaction	无资料 No data available.

第11节 - 毒理学信息

Section 11 - Toxicological Information

刺激性 Irritation	只有当电池被机械地、热地或电地滥用到危及外壳的程度时, 才会出现刺激的危险。如果出现这种情况, 可能会对皮肤、眼睛和呼吸道造成刺激。 Risk of irritation occurs only if the battery is mechanically, thermally or electrically abused to the point of compromising the enclosure. If this occurs, irritation to the skin, eyes and respiratory tract may occur.
-------------------	---

致敏 Sensitization	无资料 No data available.
神经系统的影响 Neurological Effects	无资料 No data available.
致畸性 Teratogenicity	无资料 No data available.
生殖毒性 Reproductive Toxicity	无资料 No data available.
致突变性（遗传效应） Mutagenicity (Genetic Effects)	无资料 No data available.
毒理学协同材料 Toxicologically Synergistic Materials	无资料 No data available.

第12节 - 生态学信息

Section 12 - Ecological Information

化学产品在环境中的预期行为/可能的环境影响/生态毒性 Anticipated behavior of a chemical product in environment/possible environmental impact/ecotoxicity	无资料 No data available.
土壤中的流动性 Mobility in soil	无资料 No data available.
持久性和降级性 Persistence and Degradability	无资料 No data available.
生物体内积累的可能性 Bioaccumulation potential	无资料 No data available.
其他有害影响 Other Adverse Effects	无资料 No data available.

第13节 - 废弃处置

Section 13 - Disposal Considerations

产品处置建议: 遵守当地、州和联邦法律法规。

废弃注意事项: 废电池不能被当作普通垃圾。不能扔进火中或置于高温下。不能解体, 刺穿, 破碎或类似的处理。最好的处理办法是回收利用。

Product disposal recommendation: Observe local, state and federal laws and regulations.

Attention for Waste Treatment: Deserted batteries shouldn't be treated as ordinary trash. Shouldn't be thrown into fire or placed in high temperature. Shouldn't be dissected, pierced, crushed or treated similarly. Best disposal method is recycling.

第14节-运输资料

Section 14 - Transport Information

UN编号 UN Number	UN 3480 或 UN 3481 UN 3480 or UN 3481
-------------------	---

运输风险类别 Transport hazard class(es)	9
包装等级 Packing group	--
海洋污染物 Marine pollutant	无污染 No
联合国运输专用名称 UN Proper shipping name	锂离子电池(包括锂离子聚合物电池) Lithium ion Batteries (Including lithium ion polymer batteries) 锂离子电池和设备包装在一起(包括锂离子聚合物电池) Lithium ion Batteries packed with equipment (Including lithium ion polymer batteries) 设备里内含锂离子电池(包括锂离子聚合物电池) Lithium ion Batteries contained in equipments (Including lithium ion polymer batteries)
ICAO/IATA	可根据国际民用航空组织(ICAO), TI或国际航空协会(IATA) DGR 67版本包装说明965第IB节规定或966~967第II节规定进行空运。 Can be shipped by air in accordance with international Civil Aviation Organization (ICAO), TI or International Air Transport Association (IATA) DGR 67 th Packing Instructions Section IB of 965 or Section II of 966~967 appropriately.
IMDG CODE	《国际海运危险货物规则》特殊规定188 IMDG CODE (Amdt 42-24)。 International Maritime Dangerous Goods Code under Special Provision 188 IMDG CODE (Amdt 42-24)
ADR	《国际危险货物道路运输欧洲协定》(ADR)根据特殊规定188 European Agreement concerning the International Carriage of Dangerous Goods by Road under Special Provision 188
RID	《国际危险货物铁路运输欧洲协定》(RID)根据特殊规定188 Regulations concerning the International Carriage of Dangerous Goods by Rail under Special Provision 188

危险品规例规定, 运输前, 每一个电池设计须通过联合国试验和标准手册38.3节所载的测试。

The dangerous goods regulations require that each battery design be subject to tests contained in Section 38.3 of the UN Manual of Tests and Criteria prior to being offered for transport.

第15节 - 法规信息

Section 15 - Regulatory Information

法律信息

Law information

《危险物品规则》

《Dangerous Goods Regulations》

《对危险货物运输的有关规定的建议》

《Recommendation on the Transport of Dangerous Goods Model Regulations》

《国际海运危险货物规则》

电话: 0755-88850135-1439

手机: 131-4343-1439(微信同号)

网址: <http://www.mtitest.cn>

邮箱: mti@51mti.com

地址: 广东省深圳市宝安区福海街道新和社区福海大道新兴工业园二区7号101

Q/MTI-QP-12-FB004

版本/版次: A2

第 11 页 共 13 页

《International Maritime Dangerous Goods》
《危险品安全运输技术指令》
《Technical Instructions for the Safe Transport of Dangerous Goods》
《危险货物分类和品名编号》
《Classification and code of dangerous Goods》
《消费产品安全法》
《Consumer Product Safety Act》(CPSA)
《联邦环境污染控制法》
《Federal Environmental Pollution Control Act》(FEPCA)
《资源保护及恢复法案》
《Resource Conservation and Recovery Act》(RCRA)
《国际危险货物道路运输欧洲协定》
《European Agreement concerning the International Carriage of Dangerous》
《国际危险货物铁路运输欧洲协定》
《Regulations concerning the International Carriage of Dangerous》
《欧盟指令(EU) 2023/1542及2013/56/EU》
《Directive (EU) 2023/1542 and 2013/56/EU》

根据所有联邦、州和地方法律。

In according with all Federal, State and local laws.

第16节 - 其他信息

Section 16 - Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, this document makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. Although reasonable precautions have been taken in the preparation of the data contained herein, it is offered solely for your information, consideration and investigation. This material safety data sheet provides guidelines for the safe handling and use of this product; it does not and cannot advise on all possible situations, therefore, your specific use of this product should be evaluated to determine if additional precautions are required.

以上信息被认为是准确的, 代表了我们目前可获得的最佳信息。然而, 本文没有对商品性能保证或任何其他保证, 包括明示或暗示, 对这类信息的使用我们不承担责任。用户应做出自己的调查, 以确定是否适合其特定用途的信息。尽管在准备本文所载数据时已采取合理的预防措施, 但这些数据仅供您参考、考虑和调查。这个化学品安全技术说明书为本产品提供了安全操作指南和使用指南, 它并不能对所有可能发生的情况提供建议, 因此, 您特殊使用该产品应先进行评估, 以确定是否需要额外的预防措施。

* The SDS is prepared based on the information provided by client. The contents and formats of this MSDS are revised as per client's request.

这份安全数据表是根据客户提供的信息编辑, 其内容和格式按客户要求来修订。

声 明

Statement

1. 无本实验室盖章及签字，此份报告无效。
(This report is invalid without the seal and signature of the laboratory.)
2. 本报告检测结果仅对所递交的样品负责，委托方对样品的代表性和资料的真实性负责。
(The test results of this report are only responsible for the samples submitted. Client shall be responsible for representativeness of the sample and authenticity of the material.)
3. 未经本实验室书面同意，不得部分复制本报告。
(The report shall not be partially reproduced without the written consent of the Laboratory.)
4. 本报告私自转让、涂改或以任何形式篡改无效。
(This report is invalid if transferred, altered or tampered with in any form without authorization.)
5. 本检测报告中检测项目标注有特殊符号则表示该项目不在资质认定范围内，仅作为客户委托、科研、教学或内部质量控制等目的使用。
The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.
6. 对本报告若有异议，应于收到报告之日起15天内向实验室提出。
(Any objection to this report shall be submitted to the laboratory within 15 days from the date of receipt of the report.)

***** 报告结束 *****