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SAFETY OF TOYS

玩具安全



“心”标准·新生活
Standard for Life

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公司介绍 / About us

Waltek Service Co., Ltd is a third party testing organization with years and comprehensive testing experiences, we set up strictly according to ISO/IEC Guide 65 and ISO/IEC 17025 requirements, and accredited by CNAS (China National Accreditation Service for Conformity Assessment) and CPSC(Consumer Product Safety Commission)

Waltek Service Co., Ltd is one of the largest and the most comprehensive third party testing organization in China, our headquarter located in Shenzhen and have branches in Foshan, Dongguan, Zhongshan, Suzhou, and Ningbo, our test capability covered four large fields: Electrical product safety test. ElectroMagnetic Compatibility(EMC), Optical&energy performance, Chemical test. As a professional, comprehensive, justice international test organization, we still keep the scientific and rigorous work attitude to help each client satisfy the international standards and access their product to globe market smoothly.

Waltek Chemical lab equipped with advanced testing equipments and experienced testing engineers, the lab capability included electrical &electronic restricted substances test, food contact stuff safety, toys physical and chemical test, jewelry heavy metal test, textile hazard substances and other restricted material test etc

沃特测试技术服务有限公司是具有多年产品测试和认证的综合性第三方检测认证机构，严格按照ISO/IEC Guide 65和ISO/IEC 17025的要求建立，具有中国合格评定国家认可委员会CNAS认可，也是美国消费者委员会CPSC指定的检测机构。

公司目前是华南地区规模最大，综合能力最强的第三方检测机构之一，其总部位于深圳，在佛山，东莞，中山，苏州，宁波等地分别设立了分支机构，拥有了电器产品安全，EMC电磁兼容，光性能和能效，化学测试四大领域的测试能力，作为专业性，综合性，公正性的国际化检测机构，我们秉承科学严谨的工作态度，肩负着中国第三方检测行业发展的重任，诚意的协助每一个客户使其产品达到不断更新的国际标准而不懈努力。

沃特检测化学实验室配备了先进的检测设备和经验丰富的检测人员，测试服务的内容涉及到了电子电气限用物质测试，食品接触材料的安全性，玩具物理和化学的安全检测，儿童首饰重金属含量，纺织品有害物质和其它一些限用物质的检测等。

Regulations/Standard

Requirement

• European Union(28 States)

EN 71-1:2014+A1:2018
Mechanical and physical properties

Sharp points,Sharp edges ,Small parts ,Magnet ,Protruding parts ,Noise, Cords and Elastics ,Plastic sheeting,Shape,size and strength Warnings, Age grading label etc.shall comply with the requirements of certain toys.

EN 71-2:2011+A1:2014
Flammability



1.For beards,moustaches,wigs etc.,made from hair,pile or material with similar features , which protrude more than or equal to 50mm from the surface of the toy such as hoods.head-dresses.The duration of flaming shall not be more than 2s after the removal of the test flame.In addition, there are special requirements to the maximum burnt length if ignition occurs.

2.For toy disguise costumes and toys intended to be worn by a child in play . the rate of spread of flame of the test sample shall not exceed 30mm/s; if the rate of spread of flame is between 10mm/s and 30mm/s, the appropriate part(S) of the toy and the packaging shall be permanently marked with the following warning: " Warning.Keep away from fire" .

3.For toys intended to be entered by a child,the rate of spread of flame of the test sample shall not exceed 30mm/s ; if the rate of spread of flame greater than 20mm/s , there shall be no flaming debris or molten drips;if the rate of spread of flame is between 10mm/s and 30mm/s,the appropriate part(s) of the toy and the packaging shall be permanently marked with the following warning : " Warning.Keep away from fire" . For soft-filled toys , the rate of spread of flame on the surface shall not be more than 30mm/s or shall-extinguish.

EN 71-3:2013+A3:2018
Migration of Certain Elements

The migration of 19 elements including the Chromium(III),Chromium(VI) and Organic Tin

Categories of toy materials as follows:

Category I :Dry,brittle ,powder like or phiable materials;

Category II :Liquid or sticky materials;

Category III :Scraped-off materials.

EN 71-4:2013
Experimental sets for chemistry and related activities

This part specifies requirements for the maximum amount and, in some cases,the maximum concentration of certain substances and mixtures used in experimental sets for chemistry and related activities

These substances and mixtures are:

1.Those classified as dangerous substances in Directives 67/548/EEC , Regulation (EC) No.1272/2008 and dangerous mixtures Regulation (EC) No. 1272/2008 , and 1999/45/EC.

2.Substances and mixtures which in excessive amounts could harm the health of the children usingthem and which are not classified as dangerous by the above mentioned legislation;and

3.Any other chemical substance(s) and mixture(s) delivered with the experimental set.

EN 71-5:2015
Chemical toys (sets) other than experimental sets for chemistry

Requirements and test methods for the substances and materials use in chemical toys (sets)other than experimental sets for chemistry.

EN 71-6:1994
Graphical symbols for age warning labeling

Requirements for the use and design of a graphical symbol for age warning labeling on toys not suitable for children under 3 years of age.

EN 71-7:2004+A2:2018
Finger paints-Requirements and test methods

This part specifies requirements for the substances and materials used in finger paints and applies to finger paints only Requirements for markings,labeling and containers are specified too.

Regulations/Standard

Requirement

• European Union(28 States)

EN 71-8:2018 Activity toys for domestic use	This part specifies requirements and test methods for activity toys for domestic use often attached to or incorporating a crossbeam, and similar toys intended for children under 14 years to play on or in and often intended to bear the mass of one or more children.
EN 71-9:2005+A1:2007 Organic chemical compounds-Requirements	This part specifies requirements for the migration or content of certain hazardous organic chemical compounds from/in certain toys and toy materials (Annex II) by those exposure routes: mouthing, ingestion, skin contact, eye contact, inhalation when used as intended or in a foreseeable way, bearing in mind the normal behavior of children and the function and design of the toy.
EN 71-10:2015 Organic chemical compounds-Sample preparation and extraction	Specifies sample preparation and extraction procedures for establishing the release or content of organic compounds from those toys for which requirements exist in EN 71-9.
EN 71-11:2005 Organic chemical compounds-Methods of analysis	Specifies methods for the analysis of toy and toy material extracts prepared according to the sampling procedures in EN 71-10, to enable assessment of compliance with the chemical requirements specified in EN 71-9.
EN 71-12:2016 N-Nitrosamines and N-nitrosatable substances	Specifies the requirements and test methods for determining N-nitrosamines and N-nitrosatable substances restricted in toys intended for use by children under 36 months or in other toys and parts of toys intended to be placed in the mouth. This standard describes the analytical methods to be used for the following types of toys: 1. Migration of N-nitrosamines and N-nitrosatable substances from elastomeric toys and parts of toys. 2. Migration of N-nitrosamines and N-nitrosatable substances content in finger paints.
EN 62115:2005+A12:2015 Electric toys-Safety	Specifies electrical safety requirements for toys that have at least one function dependent on electricity, toys being any product designed or clearly intended, whether or not exclusively, for use in play by children of less than 14 years of age.
2009/48/EC Toys-safety Directive	1. Tighten requirements for chemical properties, physical properties, security, requirements, etc., as well as responsibilities of manufacturers and importers. 2. Mechanical and physical properties: add requirements for magnet and toys with a suction cup. Add requirements for toys sold with food, like toys placed in food in sale shall have individual package. Add cleaning requirements to plush toys. 3. Chemical safety: ban the use of CMR substances (carcinogenic, cause's genetic mutations, cause reproductive toxicity) in accessible part of toys in use. Expand migration requirements, now 19 heavy metals are regulated. Restrict use of about 66 species of allergenic fragrances in toy. 4. Warning labels shall be clear and understandable, shall not be abused. Toy shall be labeled with the CE mark when placed into EU market. All EC conformity declaration and technical files shall be kept at least 10 years. 5. This directive clearly formulates provisions to toy manufacturers, to ensure toys in compliance with this directive and to perform toy safety assessment including technical document for toys. Importer's responsibilities are formulated too, ensuring the safety of toys imported into the EU market.



93/68/EEC
CE Marking Directive



CE conformity marking

1. The CE conformity marking shall consist of the initials "CE" taking the following from.
2. If the CE marking is reduced or enlarged the proportions given in the above graduated drawing must be respected.
3. The various components of the CE marking must have substantially the same vertical dimension, which may not be less than 5mm.
4. The CE marking shall be followed by the identification number of the body involved in the production control stage.

REACH ANNEX XVII

Benzene

Not permitted in toys or parts of toys as placed on the market where the concentration of benzene in the free state is in excess of 5mg/kg of the weight of the toy or part of toy.

REACH ANNEX XVII Cadmium

1. Not exceed 100 mg/kg in wet paint, plastic, metal parts of jewellery and hair accessories.
2. Not exceed 1000mg/kg in surface coating

REACH ANNEX VII
Phthalates

1. Toys and childcare articles shall not contain greater than 1000 mg/kg of DEHP, DBP, BBP in total.
2. Toys which can be placed in mouth and childcare articles shall not contain greater than 1000mg/kg of DINP, DIDP, DNOP in total.

REACH ANNEX XVII Azo Dyes

Azo Dyes shall not exceed 30mg/kg

REACH ANNEX XVII Organotin compounds

For materials used in childcare products (including but not limited to sulfonated sealants, glues, paints, PVC, coating of textiles etc.) each DBT, DOT, TBT, TPhT shall not exceed 1000mg/kg.

REACH SVHC

Products placed on EU market which contain or release SVHC substance and the SVHC substance exceed 1 Ton/year in products shall report to ECHA.

Regulations/Standard

Requirement

• USA

CPSIA(H.R.4040) Consumer Product Safety Improvement Act Requirements for harmful substances.

1. For surface coating, the lead content shall not exceed 90mg/kg.
2. For accessible substrate, the lead content shall not exceed 100mg/kg.
3. Children's toy or child care articles, shall not contain exceed 1000mg/kg of each DEHP, DBP, BBP, DINP, DPENP, DnHP, DCHP, DIBP.

CPSIA(H.R.4040) Consumer Product Safety Improvement Act Mandatory third Party Testing.

Lead content in surface coating
Lead content in accessible substrate
Phthalates
ASTM F963-17
Baby Bouncers
Eraser nipple
Small Parts
Metal jewelry
Baby walker

Regulations/Standard

Requirement

• USA

CPSTAH.R.4040) Consumer Product Safety Improvement Act Tracking Labels	The manufacturer of a children's product shall place permanent distinguishing marks on the product and its packaging. The location and date of production of the product, cohort information (including the batch, run number, or other identifying characteristic), and any other information to facilitate ascertaining the specific source of the product can be easily tracked by reference to those marks.
CPSIA(H.R.4040) Consumer Product Safety Improvement Act Labeling of Toys and Games	1. By retailers, manufacturers, importers, distributors, or labeled with the trademark enterprise, should offer to buy or order products direct method should contain a warning statement 2. Printing, layout or color should be highlighted, clear 3. The warning statement must use the product sale the official language
CPSIA(H.R.4040) Consumer Product Improvement Act Durable Nursery Products	Safety specification of a durable infant or toddler product including: 1. Each manufacture of a durable infant or toddler produce shall provide consumers with a postage-paid consumer registration form with each such; product; 2. Each manufacture of a durable infant or toddler produce shall maintain a record of the names, addresses, email addresses, and other contact information of consumers who register their ownership of such products with the manufacturer; in order to improve the effectiveness of manufacturer campaigns to recall such products; and 3. Each manufacturer of a durable infant or toddler produce shall permanently place the manufacturer name and contact information, model name and number; and the date of manufacture on each durable infant or toddler product. 4. Each manufacturer of a durable infant or toddler product shall maintain a record of registrants for each product manufactured that includes all of the information provided by each consumer registered, and to use such information to notify such consumers in the event of a voluntary or involuntary recall or safety alert regarding such product. 5. Each manufacturer shall maintain such a record for a period of not less than 1 years after the date of manufacture of the product. 6. Consumer information collected by a manufacturer under this Act may not be disseminated by the manufacturer, nor disseminated by such manufacturer to any other party, for any purpose other than notification to such consumer in the event of a product recall or safety alert.
ASTM F963-17 Mechanical and physical properties	Impact test, Drop test, Small objects test, Tension test, Compression test Flexure test, Sharp point test, Sharp edge test, Seam strength test
ASTM F963-17 Flammability	1. Solid Materials other than textiles (excluding paper) used in toys shall not be flammable (The rate of spread of flame shall less than 0.1in/s) comply with 16 CFR 1500.44 2. Any textile fabrics used in toys shall comply with 16 CFR 1610.
ASTM F963-17 Migration of Certain Elements	1. The lead content in paint and similar surface-coating materials shall not exceed 90 mg/kg 2. The lead content in toy substrate materials shall not exceed 100mg/kg 3. Metallic toys or metallic toy components which are small parts may not exhibit extraction of more than 200 ug of cadmium. 4. Maximum soluble migrated element in mg/kg for Surface Coatings and Substrates Other than modeling clay included as part of a toy: Pb 90mg/kg, Cd 5mg/kg, As 60mg/kg, Cr 60mg/kg, Sb 25mg/kg, Hg 60mg/kg, Ba 1000mg/kg, Se 500mg/kg.



ANSI/UL 69616 CFR 1505
Safety of electric toys

1. This part specifies requirements of electrical design and construction, performance, testing, scale, labeling, instruction etc. for electrically operated toy or other electrically operated article intended for use by children
2. Applies to electrically operated toy or other electrically operated article intended for use by children, that is any toy, game, or other article designed, labeled, advertised, or otherwise intended for use by children which is intended to be powered by electrical current from nominal 120 volt (110-125v.) branch circuits

California
California Proposition 65(CA Prop 65)



1. Product shall not contain more than 0.1% (1000 ppm) of each of DEHP, BBP, DBP, DIDP, DINP and DnHP.
2. Toys are defined as products designed to be used by children under 6 years of age when they play (e.g., toy balls, bats, and gloves, bath toys)
3. Child care articles are defined as products designed to facilitate sleep, relaxation, grooming, hygiene, or feeding of children under 3 years of age, or to help children under 3 years of age with sucking or teething (e.g., sippy bottles, baby bibs, art smocks)
4. Children watches are defined as watches marketed to or designed to be used by children ages 12 and under

Regulations/Standard

Requirement

• Canada

SOR/2011-17
Toys Regulations

Heavy metals requirements only for surface coating on toys.
1. Total Pb ≤ 90mg/kg
2. Soluble N.D. (≤ 10mg/kg)
3. Soluble Sb ≤ 1000mg/kg
4. Soluble As ≤ 1000mg/kg
5. Soluble Ba ≤ 1000mg/kg
6. Soluble Cd ≤ 1000mg/kg
7. Soluble Se ≤ 1000mg/kg

SOR/2016-188
Phthalates Regulations



1. Apply to the vinyl in a toy or child care article.
2. The vinyl in a toy or child care article must contain no more than 1000mg/kg of DEHP, DBP, BBP.
3. The vinyl in any part of a toy or child care article that can, in a reasonably foreseeable manner, be placed in the mouth of a child under four years of age must contain no more than 1000mg/kg of DINP, DIDP, DNOP.

法规 / 标准名称

规定 / 限值

• 欧盟 (28国)

EN 71-1:2014+A1:2018
物理元素的迁移

尖点、利边、小部件、磁铁、噪音、绳索细带、包装薄膜、形状、尺寸、强度、警告标识、年龄标识等须符合特定的要求或特定年龄段的要求

EN 71-2:2011+A1:2014
可燃性



1.对于伸出玩具表面长度大于或等于50mm的胡须、触须、假发和面具及其它含毛发、毛绒或其它部件的头饰玩具其火焰离开后的燃烧时间均应小于2S(秒),并对燃烧后残留长度分别有规定
2.对于化妆服饰,其燃烧速率应 $\leq 30\text{mm/s}$,如果燃烧速率在10~30mm/s之间,则应设警示标识"Warming.Keep away from fire"
3.对于供儿童进入的玩具,其燃烧速率应 $\leq 30\text{mm/s}$:如果燃烧速率 $>20\text{mm/s}$,则不能有燃烧碎片或滴火;燃烧速率在10~30mm/s之间,则应设警示标识"Warming.Keep away from fire"
4.对于软体填充玩具,表面的火焰蔓延速度不超过30mm/s或会自熄

EN 71-3:2013+A3:2018
特定元素的迁移

19项可溶元素,包括三价铬、六价铬、有机锡
玩具材料分类如下:
第一类:干燥,易碎,粉末状或容易弯曲的玩具材料
第二类:液体和黏性玩具材料
第三类:可刮取的玩具材料

EN 71-4:2013
化学和有关活动用实验装置

规定了化学实验设备和有关活动使用的某些物质和制剂要求的最大剂量,这些物质和混合物包括:
1.被指令67/548/EEC和法规(EC)1272/2008号鉴定为危险物质以及危险混合物法规(EC)No.1272/2008和指令1999/45/EC鉴定为危险混合物
2.没有被67/548/EEC和99/45/EC指令确定为危险物质和混合物但是使用过量会对儿童造成健康危害的那些物质和制剂
3.随玩具一起交付的其它化学物质和混合物

EN 71-5:2015 非实验装饰的化学玩具

在非实验装置的化学玩具中使用的物质和材料的要求及测试方法

EN 71-6:1994 年龄标志的图形表示

规定不适合3岁及以下儿童使用的玩具的年龄警告标签图标的使用和涉及要求

EN 71-7:2014+A2:2018
指画颜料

指画颜料中使用的物质和材料特别要求仅适用指画颜料附加的产品信息要求适用与标识、标签和容器

EN 71-8:2018
家庭娱乐用玩具

常附着或攀结在横梁上的意图承受一个或多个14岁及以下儿童重量的家庭娱乐用玩具的特别要求和测试方法

EN 71-9:2005+A1:2007
有机化合物—要求

从某些玩具或玩具材料迁移出或含有特定有害有机化合物的特别要求(见附录II)暴露途径:吸入,摄取,皮肤接触,眼睛接触,吸入通过预定或可预见的方式使用

EN 71-10:2005
有机化合物—样品制备和萃取

对EN 71-9测试项目前处理程序,如纺织品进行着色剂测试前需对样品预先进行耐汗渍色牢度测试等

EN 71-11:2005
有机化合物—分析方法

对EN 71-10的前处理样品使用仪器进行分析

EN 71-12:2016
N-亚硝胺和N-亚硝基物质

1.供36个月以下儿童使用的由(橡胶等)弹性体材料制造的玩具或玩具部件:
N-亚硝胺0.05mg/kg, N-亚硝基物质1.0mg/kg
2.由(橡胶等)弹性体材料制造的可入口的玩具或玩具部件(如气球、出口器):
N-亚硝胺0.05mg/kg, N-亚硝基物质1.0mg/kg
3.供36个月以下儿童使用的指画颜料:N-亚硝胺0.02 mg/kg,N-亚硝基物质1.0mg/kg

EN 62115:2005+A12:2015
电动玩具安全

要求的内容包括标签印字及说明、输入功率、温升及非正常工作、电气绝缘强度、电源线及内部布线的保护、爬电距离和电气间隙等。

2009/48/EC
玩具安全指令



1.加强了统真花学特性、物弹特性、卫生特性等安至芳葡要求,以制造商和进口商的责任。
2.机械物理安全方面:增加了对磁铁的要求,带吸盘的玩具:与食品起售卖的玩具:对在食品中或与食品混合在一起的玩具必须单独包装,对毛绒玩具增加了清洗要求。
3.化学安全方面:禁止CMR物质(致癌、致基因突、致生殖毒性)在玩具可接触部位的使用:将为8项可迁移重金属扩大19项:对66种致敏性香料也限制使用在玩具中。
4.新指令在玩具的安全警告标识方面要求清晰易懂,不被滥用,玩具产品必须加贴CE标志才允许在欧盟市场流通,CE符合性申明和技术档案要求至少保留10年。
5.为确保产品安全,新指令中明确的规定了玩具制造商的责任,要求玩具制造商不仅保证玩具符合欧盟的玩具安全标准,还要对玩具进行安全评估,并且为其生产的玩具建立全面的包含化学品使用在内的技术档案;而进口商有责任确保进口到欧盟市场上的玩具安全。

93/68/EEC
关于CE标志的大小和形状的规定

1.CE符合性标志应由法语单词首字母"CE"构成,如果CE标志的首字母CE被缩小或扩大时,应严格遵照指令中给定的比例。
2.CE标志的各组成部分必须有相同的垂直尺寸,并且长宽均不得小于5毫米。

REACH ANNEX XVII 苯

不允许玩具或玩具零件中游离态苯的含量大于5mg/kg(0.0005%)的玩具或玩具零件投放市场。

REACH ANNEX XVII 镉

湿油漆、塑料、珠宝及发饰的金属部件中不得超过100mg/kg,表面涂层中不可以超过1000mg/kg。

REACH ANNEX XVII 邻苯二甲酸盐

1.玩具和儿童护理品:DEHP+DBP+BBP<1000mg/kg。
2.可入口玩具和儿童护理品:DINP+DNOP+DIDP $\leq 1000\text{mg/kg}$ 。

REACH ANNEX XVII 偶氮染料

每种可分解芳香胺不得超过30mg/kg。

REACH ANNEX XVII 有机锡

儿童护理用品(包括但不限于硫化密封胶、粘合剂、油漆、涂料、PVC、织物涂层等材料)每一单项DBT、DOT、TBT、TPhT含量不超过1000mg/kg。

REACH SVHC

每种SVHC物质在产品的含量超过1000mg/kg且该物质随产品置于欧盟市场的量超过1吨/年,需向ECHA进行通报。

法规 / 标准名称

规定 / 限值

• 美国

CPSIA(H.R.4040)消费品安全改进法案
有害物质要求

- 1.表面涂层铅含量不得超过 90mg/kg.
- 2.可触及基材铅含量不得超过 100mg/kg.
- 3.玩具和儿童护理品中可触及材料中的邻苯二甲酸盐 DEHP、DBP、BBP、DPENP、DnHP、DCHP、DIBP每一单项不超过1000mg/kg.

CPSIA(H.R.4040)
消费品安全改进法案
强制第三方测试



须进行第三方强制测试的产品包括但不限于:

- 1.表面涂层铅
- 2.可触及基材铅
- 3.邻苯二甲酸盐
- 4.玩具安全规范ASTM F963
- 5.婴儿床
- 6.橡皮奶嘴
- 7.小部件
- 8.金属饰品
- 9.婴儿学步车

CPSIA(H.R.4040)
溯源标签

儿童产品的制造商应在产品及其包装上加贴特有的标识,该标识能够容易追溯该产品的生产日期、地点、批次信息(包括批次号、流水号及其它识;别信息)以及其它能够确定产品来源的信息

CPSIA(H.R.4040)
玩具和游戏广告标签要求

- 1.由零售商、制造商、进口商、发行商或加贴商标的企业,应提供购或订购产品的直接方法应包含一个警示声明
- 2.印刷、布局或颜色应突出、清晰
- 3.警示声明必须使用产品销售地官方语言

CPSIA(H.R.4040)
耐用育儿产品



- 1.随产品一起为消费者提供一份已付邮资的消费者登记表.
- 2.制造商应保存产品持有人的登记表,包括持有人的姓名、地址、电子邮箱及其它联系信息,以提高产品召回的效率.
- 3.在婴幼儿用品及学步产品上永久标注制造商的名称及联系方式、模型名称及数量、生产的日期等信息.
- 4.婴幼儿用品及学步产品的生产商应对消费者返回的登记信息进行分类管理,在对产品进行自愿或非自愿召回时利用消费者的登记信息迅速与消费者取得联系.
- 5.消费者的登记信息应至少保留6年.
- 6.制造商收集到的关于消费者的登记信息不得散布给其它机构或个人,也不得用于除产品召回之外的其它用途.

ASTM F963-17 玩具安全
机械物理安全

主要检测项目包括:冲击测试、跌落测试、拉力测试、压力测试、挠曲测试、尖点、利边测试、小部件测试

ASTM F963-17 玩具安全规范
可燃性

- 1.玩具中使用的非纺织品(不包括纸固体等材料不能是易燃的(燃烧速率) $<0.in./s$)应符合16 CFR1500.44要求
- 2.玩具中的纺织品材料应符合16 CFR1610的要求

ASTM F963-17 玩具安全规范
重金属限制



- 1.涂层中铅含量不得超过90mg/kg.
- 2.可触及基材中的铅含量不得超过100mg/kg.
- 3.金属玩具或玩具上的金属部件如果是小部件,可萃取镉不得超过200pg
- 4.涂层和可触及基材中的8种可迁移元素不得超过以下限值:
铅90mg/kg,镉75mg/kg,锑60mg/kg,铬60mg/kg,砷25mg/kg,汞60mg/kg,钡1000mg/kg,硒500mg/kg.

ANSI/UL 69616 CFR1508
电动玩具安全要求

- 1.规定了电动玩具的结构、性能、测试、分级、标识、说明书等要求.
- 2.适用于电网供电玩具,即由美国电网额定电压 120V (110-125V)的交流电供电驱动的电玩具.

加利福尼亚州
65号提案

对于6岁及以下儿童玩具,3岁及以下儿童护理品,12岁及以下儿童用需符合每一单项 DEHP、DBP、BBP、DINP、DIDP、DnHP 含量不超过:1000mg/kg.

法规 / 标准名称

规定 / 限值

• 加拿大

SOR/2011-17
玩具条例

涉及测试项目包括但不限于:

- 1.包装与标准要求
- 2.电/发热要求
- 3.窒息要求
- 4.毒性元素要求
- 5.机械危害要求
- 6.特殊产品要求

SOR/2016-188
邻苯二甲酸盐条例

- 1.适用乙烯基塑料制造的玩具和儿童护理品
- 2.玩具和儿童护理品中每一单项DEHP, DBP, BBP含量 $<1000mg/kg$;
- 3.可入口玩具和儿童护理品中每一单项 DINP, DNOP, DIDP含量 $\leq 1000mg/kg$