

打火机的检验服务

挑战



欧美国家屡次发生因儿童玩弄打火机而不慎失火的事件，为了确保打火机使用中的安全性，2006年5月11日欧盟委员会正式通过了2006/502/EC决议，要求成员国采取措施确保只销售安装了CR装置（防止儿童开启装置）的打火机，并要求同时符合一般产品安全指令2001/95/EC和打火机安全标准EN ISO 9994:2006的要求。

我们的解决方案



Intertek天祥集团拥有一流的实验室专家团队，可为您提供打火机相关标准的检测服务，具体如下：

主要标准检测能力

ISO 9994:2006(E)+Amendment 1:2008-02-15 打火机--安全使用规范
 ISO 22702-2003(E) Utility lighter 点火枪--普通消费者安全使用要求
 ASTM F 400-04 打火机--普通消费者安全使用规范
 ASTM F 2201-02 点火枪--普通消费者安全使用规范
 CPSC 1212 多功能打火机--安全使用规范
 CPSA 0035 打火机--安全使用标准
 SOR/89-514 危险品(打火机)安全使用规程

Intertek实验室目前可进行的检验项目主要有：

- * 火焰发生测试
- * 火焰高度测量
- * 火焰高度调节测试
- * 抗爆裂、跳跃及闪火测试
- * 火焰熄灭测试
- * 燃料容量置换测试
- * 结构要求
- * 表面工艺检查
- * 燃料相容性测试
- * 燃料再填充抗漏性测试
- * 抗跌落测试
- * 抗温升测试
- * 抗内压测试
- * 燃烧特性测试
- * 抗循环燃烧测试
- * 抗连续燃烧测试
- * 防止儿童开启打火机测试
- * 产品标记、说明书和警告

相关服务

除以上测试项目外，Intertek还可提供各类轻工产品的检测服务，涉及产品包括：

* 自行车 * 陶瓷餐具 * 婴儿手推车 * 婴幼儿产品 * 包装 * 餐具 * 家具 * 热水袋 * 文具

为什么选择Intertek?



Intertek天祥集团是全球领先的质量和安全管理机构，为众多行业提供专业创新的解决方案。从审核和检验，到测试、质量保证和认证，Intertek致力为客户的产品和流程增加价值，最终促进客户在全球市场取得成功。

Intertek在110个国家拥有1,000多家实验室和办事处，超过21,000名的员工，凭借专业技术、资源和全球网络，为客户提供最优质的服务。

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Lighter Safety Testing

The Challenge



There are many cases in the U.S. and European countries that children play with lighters and cause fires. To ensure the safety of using lighters, the European Commission published Decision 2006/502/EC on May 11, 2006, requiring that member countries can only sell lighters with CR (Child Resistant) device, and at the same time shall comply with the Directive 2001/95/EC on General Product Safety and the EN ISO 9994:2006, Lighter Safety Specification.

Our Solutions



With years of experience and expertise, Intertek offers lighter testing services according to related standards:

ISO 9994:2006(E)+Amendment 1: 2008-02-15 - Lighter safety specification
ISO 22702-2003(E) Utility lighter - General consumer - Safety requirements
ASTM F 400-04 - Standard consumer safety specification for Lighters
ASTM F 2201-02 - Standard consumer safety specification for utility Lighters
CPSA 1212 Safety standard for multi-purpose lighter
CPSA 0035 - Safety standard for lighter
SOR/89 - 514 Hazardous products (lighter) regulations

The tests we offer are:

- * Flame generation
- * Flame height measurement
- * Flame height adjustment
- * Resistance to spitting or sputtering and flaring
- * Flame extinction
- * Volumetric displacement
- * Structural integrity requirements
- * External finish
- * Compatibility with fuel
- * Resistance to fuel loss
- * Resistance to dropping
- * Resistance to elevated temperature
- * Resistance to internal pressure
- * Burning behaviour
- * Resistance to cyclic burning
- * Resistance to continuous burning
- * Children-resistance for lighter
- * Product marking, instruction and warning

Related Services

Besides the above tests, Intertek also provides testing services for all kinds of hardgoods including but not limited to:

- * Bicycle
- * Ceramic tableware
- * Stroller
- * Juvenile products
- * Package
- * Tableware
- * Furniture
- * hot water bottles
- * Stationery

Why Intertek?



Intertek is a leading provider of quality and safety solutions serving a wide range of industries around the world. From auditing and inspection, to testing, quality assurance and certification, Intertek people are dedicated to adding value to customers' products and processes, supporting their success in the global marketplace.

Intertek has the expertise, resources and global reach to support its customers through its network of more than 1,000 laboratories and offices and over 21,000 people in 110 countries around the world.

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