



## Luggage Testing

Luggage, bags and handbags are not only used to carry or store personal items nowadays, moreover, they are an integral part of individual fashion. Member States of EU Commission and many other countries enact directives and standards to regulate hazardous substances in those products with a view to guarantee rights and interests of consumers. Meanwhile, whether products are compliant with regulations has become an important index for overseas buyers in the fierce market competition.

C&K Testing can provide you with comprehensive tests (physical & chemical) and specialised regulation consulting relying on our strong technical support and advanced equipment. Our aim is to help you win the market competition through our testing services.

### Regulations and Standards

#### EU REACH Regulation

REACH is the Regulation (EC) NO 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals, which came into force on 1 June 2007 and applied on 1 June 2008. It is a harmonised regulation concerning preventative administration on all chemicals to be placed on the EU market. Annex XVII to REACH imposes some restrictions on hazardous substances in luggage items.

## OEKO-TEX® standard 100

OEKO-TEX® standard 100 mark is widely used in the field of Textile Ecology. Published by the International Association for Research and Testing in the field of Textile Ecology (OEKO-TEX®) in 1992, OEKO-TEX® standard 100 mainly focuses on testing of the harmful substances in textile products so as to ensure their safety. Such mark can be affixed to the products only when their manufacturers can provide certifications for quality assurance in accordance with strict testing and examination procedures. It is common that luggage testing takes this standard as a reference to ensure chemical safety.

### Our Test Items

#### 1. Chemical Test

Common Test Items and Materials of High Concern

Items	Natural Fabrics	Synthetic Fabrics	Blended Fabrics	Leather	PU/PVC Artificial Leather	Plastics/Polymers	Coating/Print/Ink	Metal Components
Azodyes	√	√	√	√			√	
Carcinogens (colourants)	√	√	√	√			√	
Allergens (colourants)		√	√				√	
Formaldehyde	√	√	√	√	√		√	
Chlorinated phenols (PCP, TeCP, TrCP)	√		√	√				
Total lead				√	√	√	√	√
Total cadmium					√	√	√	√
Chromium (VI)				√				
Nickel release								√
Phthalates					√	√	√	
DMF				√				
Organic tin compounds	√	√	√	√	√	√	√	
Flame retardants	√	√	√	√	√	√		
Chlorinated organic carriers		√	√		√			
Alkyl phenol					√	√	√	
Alkyl phenyl polyoxyethylene ether	√	√	√	√	√	√	√	
SCCP	√	√	√	√	√			
PAH						√	√	
PFOS / PFOA	√	√	√	√	√			
Volatiles					√	√	√	
Pesticides	√		√	√				
pH value	√	√		√				

\* The above information is only for reference.

带格式的: 右侧: 0.63 厘米  
删除的内容: [www.cirs-ck.com/en](http://www.cirs-ck.com/en)

## Luggage Testing



### 2. Performance Test

#### Static Load Test

- Strength (For handles and shoulder straps)

#### Performance Test for Materials

- Fabric Weight
- Colour Fastness to Crocking (For fabric and leather)
- Seam Strength (For fasteners, zippers, handles, shoulder straps)

#### Luggage Body Test

- Stability

#### Wheels/ Handle Test

- Abrasion
- Strength
- Fatigue Resistance (For handles)

#### Drop Test

#### Attachments Test

- Anti-corrosion (For metal)
- Durability (For zippers, locksets and hook & loop fasteners)
- Shear/Tear Strength (For hook & loop fasteners)

We can render test solutions according to the following standards

United States	American Association of Textile Chemists and Colorists (AATCC)
	American Society for Testing and Materials (ASTM)
	Consumer Product Safety Commission (CPSC)
Canada	Canada Standards Association (CAN/CGSB)
Europe	European Committee for Standardisation (EN)
United Kingdom	British Standards Institution (BS)
France	French Association for Standardisation (NF)
China	National Standards of the People's Republic of China (GB)
	Textile Standards of the People's Republic of China (FZ)
	Industry Standards of the People's Republic of China (QB)
Japan	Japanese Industrial Standards Committee (JIS)
Australia	Standards Australia (AS)
Germany	German Institute for Standardisation (DIN)
Other	International Organisation for Standardisation (ISO)

删除的内容: ial

### Attentive Services

C&K Testing also renders five extra services while providing strong technical support:

- Special offers for testing on a regular basis;
- Management and integration of suppliers for free;
- Sharing of the latest technical news;
- Door-to-door training and orientation for suppliers;
- Customised solutions.



格式的: 右侧: 0.63 厘米

涂的内容: [www.cirs-ck.com/en](http://www.cirs-ck.com/en)

[En.cirs-ck.com](http://En.cirs-ck.com)

# Luggage Testing



## Company Profile

C&K Testing is a leading testing company to render you specialised solutions concerning green and sustainable development of products. Established in 2008, we've helped thousands of customers to minimise the risks of their products to human health and the environment through our testing services.

Our company is a member of CIRS which is a leading product safety management consulting firm. With our offices in Ireland and the United States as well as our laboratory in China, a global network of testing facilities enables you to meet all the relevant regulatory requirements across different markets more cost-efficiently.

Combining widely global recognition and extensive local experience, staffed by knowledgeable experts, C&K Testing will help you to gain a competitive advantage in the global marketplace by ensuring product safety and quality, removing trade barriers and optimising manufacturing procedures.

Our Testing Services: food and food-related products, cosmetics, environment, consumer products, industrial goods and chemicals, etc.



## An Authoritative Platform for 3rd-Party Testing

### Hangzhou

Add: 1/F, No.4 Building, Huaye Hi-Tech Industrial Park, No.1180, Bin'an Road, Binjiang District, Hangzhou, Zhejiang, China  
Tel: +86-571-87206587 Fax: +86-571-89900719  
Email: test@cirs-group.com

### Ireland

Add: Unit 1 Ardee Business Park, Hale Street, Ardee, Co. Louth, Ireland  
Tel: +353-41-9806916 Fax: +353-41-9806999  
Email: louise@cirs.ie

删除的内容: Singleton House, Laurence Street, Drogheda, Co. Louth, Ireland

删除的内容: .

### Nanjing

Add: 2/F, Guande Commercial Center, No. 158, Fangshui Road, Chemical Industrial Park, Nanjing, Jiangsu, China  
Tel: +86-25-58390409  
Email: shg@cirs-group.com

### Beijing

Add: 9/F, Zhongyu Century, No. 31 Lianhuachi Road (E.), Haidian District, Beijing, China  
Tel: +86-010-63984062; +86-010-63984032  
Fax: +86-010-63984032  
Email: test@cirs-group.com



各式的: 右侧: 0.63 厘米  
删除的内容: [www.cirs-ck.com/en](http://www.cirs-ck.com/en)

[En.cirs-ck.com](http://En.cirs-ck.com)