



Footwear Solutions  
鞋类测试服务

Empowering Trust™



UL has created a global network of scientific and advisory experts who can help you mitigate the uncertainty of global markets and minimize risks. See how we can help you connect with customers and consumers seeking more informed and responsible choices in products and services.

[UL.com/CRS](https://www.ul.com/crs)



UL HAS HELPED SET MORE THAN  
**1,600**  
**STANDARDS**  
DEFINING SAFETY, SECURITY,  
QUALITY AND SUSTAINABILITY

UL SOFTWARE IS USED BY

MORE THAN **10,000**  
**ORGANIZATIONS**  
IN OVER 10 INDUSTRIES



UL MARKS APPEAR ON MORE THAN  
**22 BILLION**  
**PRODUCTS GLOBALLY**



UL REACHES MORE THAN  
**1 BILLION GLOBAL CONSUMERS**  
ANNUALLY WITH SAFETY MESSAGES

UL OPERATES IN  
MORE THAN

**143**  
COUNTRIES



AND ACROSS  
MORE THAN

**20**  
INDUSTRIES



UL HAS ENHANCED  
**TRANSACTION**  
**SECURITY FOR:**

500+ BANKS  
20+ PAYMENT SCHEMES  
50+ GOVERNMENTS AND PUBLIC  
TRANSPORT OPERATORS  
60+ MOBILE NETWORK OPERATORS



UL SERVES

**1 OUT OF 3**  
**FORTUNE 500**  
**COMPANIES**



UL WORKS TO  
**PROTECT THE**  
**MARKET FROM**  
**COUNTERFEIT**  
**GOODS**

**3 OUT OF 4**   
**U.S. CONSUMERS**  
ARE FAMILIAR WITH THE UL MARK



UL'S PRODUCT SUSTAINABILITY  
CERTIFICATION MARKS ARE  
REFERENCED OR PREFERRED IN  
**900+** **SUSTAINABLE**  
**PRODUCT**

SPECIFICATIONS AND PURCHASING  
GUIDELINES AROUND THE GLOBE

# Footwear Solutions

## 鞋类测试服务

**We help our clients improve the strength of their global supply chains, optimize product performance and protect brand reputation.**

我们可帮助客户强化全球供应链, 优化产品性能和保护品牌声誉。

UL has comprehensive knowledge of the standards and risks associated with sourcing, construction and performance of footwear, textiles and apparel.

UL全面了解与鞋袜、纺织品和服装的采购、构造和性能相关的标准和风险。

Our state-of-the-art laboratories around the world will help determine whether the footwear products our clients manufacture, sell and distribute comply with regional regulations while meeting consumer expectations for quality, fit, and durability. We have significant experience in helping luxury brands and retail chain stores maintain stringent quality controls across the entire supply chain.

我们在全球各地的一流实验室可帮助客户确定其制造、销售和分销的产品是否符合地区法规并同时满足消费者对产品质量、适合性和耐用性的期望。在帮助奢侈品牌及连锁零售店在整个供应链中保持严格的质量控制方面, 我们拥有丰富的经验。

We offer a broad range of footwear testing and evaluation. Our comprehensive testing scope encompasses raw materials testing, complete footwear testing, safety testing, performance testing, and much more.

我们提供全面的鞋类测试及咨询服务, 包括原材料测试、整体鞋类测试、安全测试、性能测试等。

## Who is UL?

Recognized and respected worldwide, UL fosters safe living and working conditions for people everywhere through the application of science to solve safety, security and sustainability challenges. We test, inspect, audit, certify, validate, verify, advise and train. We support these efforts with software solutions for safety and sustainability.

We serve our clients' growing needs to help ensure the highest level of quality and safety in a variety of key industries, such as:

- Textile, Apparel and Footwear
- Toys and Juvenile Products
- Promotional Items and Licensed Goods
- Retail
- General Merchandise
- Food Contact Materials
- Food and Beverage
- Chemical Management
- Personal Care and Beauty
- Eyewear
- Jewelry and Watches

# Footwear Testing Services

## 鞋类测试服务

### Upper Materials 面料材料测试

- Maeser Flex Test 皮革動態防水曲折
- Upper Flex, Bally Flexometer, Room Temperature and Cold Temperature 面料常溫、低溫曲折
- Peel Strength (Finish Adhesion) 表面塗層剝離(塗層粘附強度)
- Tensile Strength 抗張強度
- Tear Strength 撕裂強度
- Bursting Strength 爆破強度
- UV Exposure 抗紫外線強度
- Color fastness to Crocking 摩擦色牢度
- Color fastness to Light 耐光照強度
- Washing Performance 耐水洗
- pH 酸鹼度
- Phenolic Yellowing 耐酚黃變強度
- Water Repellency 表面抗水測試
- Color Migration 顏色遷移測試

### Sole Materials 大底材料测试

- Abrasion Resistance 耐磨強度
- Oil Resistance 耐油強度
- Skid Resistance, James 防滑強度, James方法
- Slip Resistance, Brungraber Mark II For Institutional Shoes 防滑強度, Mark II方法(廚師鞋)
- Durometer Hardness 硬度
- Bennewart Flex Resistance Bennewart 曲折強度
- Ross Flex Resistance Room Temperature and Cold Temperature Ross 常溫、低溫曲折強度
- Tear Resistance 撕裂強度
- Non Marking 不留痕
- UV Exposure 抗紫外線強度
- Density 密度

### Miscellaneous Tests 杂项测试

- Insole Board Internal Bond (Tensile) 中底版內粘著強度
- Insole Board Flex 中底版曲折強度
- Lining Abrasion (Martindale) (Dry And Wet) 內裡耐磨(乾、濕式、馬丁代爾方法)
- Children's Safety 童鞋安全性
- Toplift Abrasion 天皮耐磨
- Toplift Pull 天皮拔脫
- Heel Fatigue 鞋跟抗疲勞強度
- Heel Impact 鞋跟抗衝擊強度
- Steel Shank Hardness (Rockwell) 鋼芯硬度(洛氏)
- Repeated Extension 鬆緊帶反復延伸強度
- Gore Tensile Strength 鬆緊帶抗張強度
- Steel Shank Stiffness 鋼芯韌性係數
- Shoe Box Burst Strength 鞋盒爆破強度
- Shipping Carton Burst Strength 紙箱爆破強度
- Zipper Pull Attachment Strength 拉鏈拉頭拉力
- Zipper Top and Bottom Stop Attachment 拉鏈上止、下止拉脫強度
- Zipper Crosswise 拉鏈齒咬合強度
- Zipper Slider Locking 拉鏈自鎖強度
- Buckle Center Prong Strength 鞋扣中心扣針拉力
- Shoe Lace Tensile 鞋帶抗張強度
- Shoe Lace Abrasion, Lace to Lace 鞋帶耐磨強度(鞋帶與鞋帶摩擦)
- Shoe Lace Tip Pull Off Strength 鞋帶頭抗脫強度
- Corrosion Resistance for Metal 金屬部件防銹剪力強度
- Linking Tape Peel and Shear 魔術帶剝離和剪力強度
- Color fastness to Perspiration 耐汗色牢度
- Compression Set (Foam) 壓縮回彈率(泡棉)
- Stitching Thread Tensile Strength 針車線抗張強度

## Complete Shoe Tests 成品鞋测试

- Flexing Test (Dry, Wet And Freezing)  
曲折強度 (常溫、低溫、水中)
- Adhesion Strength between Upper and Outsole (Pull Test)  
面底剝離強度
- Adhesion Strength between Midsole to Outsole  
中底與外底剝離強度
- Adhesion Strength between EVA to EVA  
EVA與EVA剝離強度
- Foxing Bond Adhesion 硫化鞋邊條剝離強度
- Color fastness to Crocking for Textiles and Unlined Leather  
紡織物或無內里皮料摩擦色牢度
- Attachment Strength 聯結強度
  - Strap 條帶
  - Toggle Stops 止滑扣
  - Buckle 鞋扣
  - Eyelet 眼扣
  - D-ring, Hook and Rivet, Lace  
D型扣、鉤、鉚釘、鞋跟織帶
  - Ornament 裝飾物
  - Gore 鬆緊帶
  - Tongue 鞋舌
  - Thong 夾腳帶
  - Toplift 天皮
  - Heel (女)鞋跟
- Color fastness to Perspiration for Textiles and Unlined Leather  
紡織物或無內里皮料耐汗色牢度
- UV Exposure 抗紫外線強度
- Color fastness to Light 耐光照強度
- Stitching Seam Strength of Upper  
鞋面車縫強度
- Washing Test 耐水洗
- Soaking Test (Waterproof)  
靜態浸水 (防水鞋)
- Corrosion Resistance 金屬部件防銹強度

## Special Requirements 特殊要求項目

- Electrical Hazard 抗電壓
- Heel Counter Stability for Full Shoe  
後套港寶穩定性
- Oil Resistance for Outsole 耐油強度
- Safety Toe Compression 安全性鞋頭壓縮強度
- Safety Toe Impact 安全性鞋頭衝擊強度
- Bending Property of Steel Shank  
鋼勾心耐折性能
- Static Slip/Skid Resistance  
防滑強度 (James/Mark II)
- Waterproofing Tests 防水測試
  - Full Shoe Wet Flex 成品鞋動態防水
  - Full Shoe Static Soak 成品鞋靜態浸水
  - Maeser Flex for Leather 皮革動態防水



# Dress Shoes 盛裝鞋

| Testing Item 測試項目  | Testing Method 測試方法  | Testing Item 測試項目   | Testing Method 測試方法  |
|--|--|---|--|
| Size Mark 鞋碼標準   | Visual Evaluation 目測   |   | SATRA TM 144<br>ISO 13287  |
| Product Identification 產品類別  | Visual Evaluation 目測   | Outsole Slip Resistance 防滑強度                                  | ASTM F2913<br>ASTM D2047<br>ASTM F489<br>ASTM F1677<br>ASTM F609 |
| Declaration of Responsibility 分銷商信息                                    | Visual Evaluation 目測   |   |  |
| Leather Identification 皮革判定  | Visual Evaluation 目測   | Outsole Abrasion 大底耐磨   | EN 12770<br>ISO 20871<br>ISO 4649<br>SATRA TM174<br>ASTM D1630   |
| Faux Fur Identification 假毛判定   | Visual Evaluation 目測   |   |  |
| Real Fur Identification 真毛判定   | Visual Evaluation 目測   | Corrosion Resistance 防銹強度                                     | ISO 22775: Method 2  |
| Wool Footwear Products 含羊毛鞋類產品   | Visual Evaluation 目測   | Foam Thickness (If Memory Foam Claimed) 泡棉厚度 (記憶棉需有標識)        | ASTM D3574   |
| Poly-bag Warning Statement 塑料袋警告語標註                                    | Visual Evaluation 目測   | Foam Density (If Memory Foam Claimed) 泡棉密度 (記憶棉需有標識)          | ASTM D3574   |
| Monetary Based Labeled Claims (For Canada) 價格聲稱 (加拿大)                  | Visual Evaluation 目測   | Compression Set Test (If Memory Foam Claimed) 壓縮回彈率 (記憶棉需有標識) | ASTM D3574   |
| French & English Language (For Canada) 英法語 (加拿大)                       | Visual Evaluation 目測   | <b>Component Attachment Strength 配件聯結強度</b>                   |  |
| Country of Origin 產地   | Visual Evaluation 目測   | Straps 條帶   | SATRA TM120  |
| Tracking Label Information (For Children) 跟踪信息 (童鞋)                    | Visual Evaluation 目測   | Toe Posts 夾腳帶   | SATRA TM118  |
| Abuse Test (For Children - Drop, Torque, Tension) 濫用測試 (童鞋 - 跌落、扭力、拉力) | 16 CFR 1500 Section 51-53<br>16 CFR 1500 48/49/51/52/53<br>16 CFR 1501               | Gores / Tongue 鬆緊帶/鞋舌   | BS 5131 5.11   |
| Workmanship 做工工藝   | Visual Evaluation 目測   | Buckles 鞋扣  | SATRA TM181<br>BS 5131 5.11                                      |
| Color fastness to Crocking 摩擦褪色測試                                      | BS EN ISO 105-X12<br>AATCC 8<br>AATCC 116<br>SATRA TM167<br>ASTM D5053<br>GB/T 3920  | Eyelets 鞋眼  | SATRA TM150<br>SATRA TM149                                       |
| Color fastness to Perspiration 耐汗測試                                    | AATCC 15   | D-ring, Hook and Rivet, Lace Loops D形扣、虎扣及鉚釘、鞋眼帶              | SATRA TM149  |
| Anti-yellowing 耐黃測試  | Laboratory Inhouse Method 實驗室內部方法  | Heel 女鞋鞋跟   | EN 12785<br>SATRA TM113<br>ISO 22650<br>ASTM F2232<br>GB/T 11413 |
| Phenolic Yellowing 酚黃測試  | ISO105X-18   | Toplifts 天皮   | BS EN ISO 19958<br>SATRA TM108                                   |
| Non-marking Outsole 大底不留痕  | Laboratory Inhouse Method 實驗室內部方法  |   |  |
| Adhesion Strength 膠著力測試  | BS EN ISO 17708<br>SATRA TM411<br>FIA 1206<br>BS 5131-5.4<br>SATRA TM404<br>GB/T 532 |   |  |
| Flexing Resistance (Room / Cold) 曲折測試 (常溫 / 低溫)                        | SATRA TM92   |   |  |
| Stitching Seam Strength 縫線強度   | SATRA TM180<br>BS 5131 5.13  |   |  |
| Outsole Hardness 外底硬度  | ASTM D2240   |   |  |

# Athletic Shoes 运动鞋

| Testing Item 測試項目  | Testing Method 測試方法  | Testing Item 測試項目   | Testing Method 測試方法   |  |
|--|--|---|---|--|
| Size Mark 鞋碼標準   | Visual Evaluation 目測   | Outsole Slip Resistance 防滑強度                                  | SATRA TM 144<br>ISO 13287<br>ASTM F2913<br>ASTM D2047<br>ASTM F489<br>ASTM F1677<br>ASTM F609 |  |
| Product Identification 產品類別  | Visual Evaluation 目測   |   | Outsole Abrasion 大底耐磨   | EN 12770<br>ISO 20871<br>ISO 4649<br>SATRA TM174<br>ASTM D1630 |
| Declaration of Responsibility 分銷商信息                                    | Visual Evaluation 目測   |   |   | ISO 22775: Method 2  |
| Leather Identification 皮革判定  | Visual Evaluation 目測   | Foam Thickness (If Memory Foam Claimed) 泡棉厚度 (記憶棉需有標識)        |   | ASTM D3574   |
| Faux Fur Identification 假毛判定   | Visual Evaluation 目測   | Foam Density (If Memory Foam Claimed) 泡棉密度 (記憶棉需有標識)          | ASTM D3574  |  |
| Real Fur Identification 真毛判定   | Visual Evaluation 目測   | Compression Set Test (If Memory Foam Claimed) 壓縮回彈率 (記憶棉需有標識) | ASTM D3574  |  |
| Wool Footwear Products 含羊毛鞋類產品   | Visual Evaluation 目測   | Compression Set Test (For Foam Sock) 壓縮回彈率 (鞋墊)               | ASTM D3574  |  |
| Poly-bag Warning Statement 塑料袋警告語標註                                    | Visual Evaluation 目測   | <b>Component Attachment Strength 配件聯結強度</b>                   |   |  |
| Monetary Based Labeled Claims (For Canada) 價格聲稱 (加拿大)                  | Visual Evaluation 目測   | Straps 條帶   | SATRA TM120   |  |
| French & English Language (For Canada) 英法語 (加拿大)                       | Visual Evaluation 目測   | Gores / Tongue 鬆緊帶/鞋舌   | BS 5131 5.11  |  |
| Country of Origin 產地   | Visual Evaluation 目測   | Shoe Lace Tags 鞋帶束片強度   | SATRA TM175   |  |
| Tracking Label Information (For Children) 跟踪信息 (童鞋)                    | Visual Evaluation 目測   | Buckles 鞋扣  | SATRA TM181<br>BS 5131 5.11   |  |
| Abuse Test (For Children - Drop, Torque, Tension) 濫用測試 (童鞋 - 跌落、扭力、拉力) | 16 CFR 1500 Section 51-53<br>16 CFR 1500 48/49/51/52/53<br>16 CFR 1501               | Eyelets 鞋眼  | SATRA TM150<br>SATRA TM149  |  |
| Workmanship 做工工藝   | Visual Evaluation 目測   | D-ring, Hook and Rivet, Lace Loops D形扣、虎扣及鉚釘、鞋眼帶              | SATRA TM149   |  |
| Color fastness to Crocking 摩擦褪色測試                                      | BS EN ISO 105-X12<br>AATCC 8<br>AATCC 116<br>SATRA TM167<br>ASTM D5053<br>GB/T 3920  |   |   |  |
| Color fastness to Perspiration 耐汗測試                                    | AATCC 15   |   |   |  |
| Anti-yellowing 耐黃測試  | Laboratory Inhouse Method 實驗室內部方法  |   |   |  |
| Phenolic Yellowing 酚黃測試  | ISO105X-18   |   |   |  |
| Washing Test (Staining / Color Change) 水洗測試 (顏色污染 / 顏色變化)              | AATCC TS007/AATCC 135  |   |   |  |
| Adhesion Strength 膠著力測試  | BS EN ISO 17708<br>SATRA TM411<br>FIA 1206<br>BS 5131-5.4<br>SATRA TM404<br>GB/T 532 |   |   |  |
| Flexing Resistance (Room / Cold) 曲折測試 (常溫 / 低溫)                        | SATRA TM92   |   |   |  |
| Stitching Seam Strength 縫線強度   | SATRA TM180<br>BS 5131 5.13  |   |   |  |
| Outsole Hardness 外底硬度  | ASTM D2240   |   |   |  |

# Work Shoes 工作鞋

| Testing Item 測試項目                                     | Testing Method 測試方法   | Testing Item 測試項目   | Testing Method 測試方法  |
|---|---|---|--|
| Size Mark 鞋碼標準  | Visual Evaluation 目測  |   | EN 12770<br>ISO 20871<br>ISO 4649<br>SATRA TM174<br>ASTM D1630 |
| Product Identification 產品類別                           | Visual Evaluation 目測  | Outsole Abrasion 大底耐磨   |  |
| Declaration of Responsibility 分銷商信息                   | Visual Evaluation 目測  | Corrosion Resistance 防銹強度   | ISO 22775: Method 2  |
| Leather Identification 皮革判定                           | Visual Evaluation 目測  | Foam Thickness (If Memory Foam Claimed) 泡棉厚度 (記憶棉需有標識)                    | ASTM D3574   |
| Faux Fur Identification 假毛判定                          | Visual Evaluation 目測  | Foam Density (If Memory Foam Claimed) 泡棉密度 (記憶棉需有標識)                      | ASTM D3574   |
| Real Fur Identification 真毛判定                          | Visual Evaluation 目測  | Compression Set Test (If Memory Foam Claimed) 壓縮回彈率 (記憶棉需有標識)             | ASTM D3574   |
| Wool Footwear Products 含羊毛鞋類產品                        | Visual Evaluation 目測  | Compression Set Test (For Foam Sock) 壓縮回彈率 (鞋墊)                           | ASTM D3574   |
| Poly-bag Warning Statement 塑料袋警告語標註                   | Visual Evaluation 目測  | <b>Component Attachment Strength 配件聯結強度</b>                               |  |
| Monetary Based Labeled Claims (For Canada) 價格聲稱 (加拿大) | Visual Evaluation 目測  | Straps 條帶   | SATRA TM120  |
| French & English Language (For Canada) 英法語 (加拿大)      | Visual Evaluation 目測  | Gores / Tongue 鬆緊帶 / 鞋舌   | BS 5131 5.11   |
| Country of Origin 產地                                  | Visual Evaluation 目測  | Shoe Lace Tags 鞋帶束片強度   | SATRA TM175  |
| Workmanship 做工工藝                                      | Visual Evaluation 目測  | Buckles 鞋扣  | SATRA TM181<br>BS 5131 5.11                                    |
| Color fastness to Crocking 摩擦褪色測試                     | BS EN ISO 105-X12<br>AATCC 8<br>AATCC 116<br>SATRA TM167<br>ASTM D5053<br>GB/T 3920           | Eyelets 鞋眼  | SATRA TM150<br>SATRA TM149                                     |
| Color fastness to Perspiration 耐汗測試                   | AATCC 15  | D-ring, Hook and Rivet, Lace Loops D形扣、虎扣及鉚釘、鞋眼帶                          | SATRA TM149  |
| Anti-yellowing 耐黃測試                                   | Laboratory Inhouse Method 實驗室內部方法   | <b>Work Shoes (Label Claimed) 工作鞋 (標註)</b>                                |  |
| Phenolic Yellowing 酚黃測試                               | ISO105X-18  | Protective Footwear - Marking (If ASTM Claimed) 防護鞋標註 (如有ASTM標籤)          | ASTM F2413   |
| Adhesion Strength 膠著力測試                               | BS EN ISO 17708<br>SATRA TM411<br>FIA 1206<br>BS 5131-5.4<br>SATRA TM404<br>GB/T 532          | Safety Toe Compression (If ASTM Claimed) 鞋頭壓縮 (如有ASTM標籤)                  | ASTM F2412<br>CSA-Z195   |
| Flexing Resistance (Room / Cold) 曲折測試 (常溫 / 低溫)       | SATRA TM92  | Safety Toe Impact (If ASTM Claimed) 鞋頭衝擊 (如有ASTM標籤)                       | ASTM F2412<br>CSA-Z195   |
| Stitching Seam Strength 縫線強度                          | SATRA TM180<br>BS 5131 5.13   | Electrical Hazard (If ASTM Claimed) 抗電壓 (如有ASTM標籤)                        | ASTM F2412<br>CSA-Z195   |
| Oil Resistance (For Label Claimed) 耐油 (有標籤)           | ASTM D471   | <b>Waterproof Footwear (If ASTM F2413 Claimed) 防水鞋 (如有ASTM F2413防水標註)</b> |  |
| Outsole Hardness 外底硬度                                 | ASTM D2240  | Full Booty Membrane Construction 防水襪套結構                                   | Visual Evaluation 目測   |
| Outsole Slip Resistance 防滑強度                          | SATRA TM 144<br>ISO 13287<br>ASTM F2913<br>ASTM D2047<br>ASTM F489<br>ASTM F1677<br>ASTM F609 | Wet Flex Test 防水曲折  | SATRA TM77   |
|   |   | Static Soak Test 靜態防水   | Laboratory Inhouse Method 實驗室內部方法                              |



# Hiker 登山鞋

| Testing Item 測試項目  | Testing Method 測試方法  | Testing Item 測試項目   | Testing Method 測試方法   |
|--|--|---|---|
| Size Mark 鞋碼標準   | Visual Evaluation 目測   | Outsole Hardness 外底硬度   | ASTM D2240  |
| Product Identification 產品類別  | Visual Evaluation 目測   | Outsole Slip Resistance 防滑強度  | SATRA TM 144<br>ISO 13287<br>ASTM F2913<br>ASTM D2047<br>ASTM F489<br>ASTM F1677<br>ASTM F609 |
| Declaration of Responsibility 分銷商信息                                    | Visual Evaluation 目測   |   | EN 12770<br>ISO 20871<br>ISO 4649<br>SATRA TM174<br>ASTM D1630                                |
| Leather Identification 皮革判定  | Visual Evaluation 目測   | Outsole Abrasion 大底耐磨   | ISO 22775: Method 2   |
| Faux Fur Identification 假毛判定   | Visual Evaluation 目測   |   | ASTM D3574  |
| Real Fur Identification 真毛判定   | Visual Evaluation 目測   | Foam Density (If Memory Foam Claimed) 泡棉密度 (記憶棉需有標識)                      | ASTM D3574  |
| Wool Footwear Products 含羊毛鞋類產品   | Visual Evaluation 目測   | Compression Set Test (If Memory Foam Claimed) 壓縮回彈率 (記憶棉需有標識)             | ASTM D3574  |
| Poly-bag Warning Statement 塑料袋警告語標註                                    | Visual Evaluation 目測   | Compression Set Test (For Foam Sock) 壓縮回彈率 (鞋墊)                           | ASTM D3574  |
| Monetary Based Labeled Claims (For Canada) 價格聲稱 (加拿大)                  | Visual Evaluation 目測   | <b>Component Attachment Strength 配件聯結強度</b>                               |   |
| French & English Language (For Canada) 英法語 (加拿大)                       | Visual Evaluation 目測   | Straps 條帶   | SATRA TM120   |
| Country of Origin 產地   | Visual Evaluation 目測   | Gores / Tongue 鬆緊帶 / 鞋舌   | BS 5131 5.11  |
| Tracking Label Information (For Children) 跟踪信息 (童鞋)                    | Visual Evaluation 目測   | Buckles 鞋扣  | SATRA TM181<br>BS 5131 5.11   |
| Abuse Test (For Children - Drop, Torque, Tension) 濫用測試 (童鞋 - 跌落、扭力、拉力) | 16 CFR 1500 Section 51-53<br>16 CFR 1500 48/49/51/52/53<br>16 CFR 1501               | Eyelets 鞋眼  | SATRA TM150<br>SATRA TM149  |
| Workmanship 做工工藝   | Visual Evaluation 目測   | D-ring, Hook and Rivet, Lace Loops D形扣、虎扣及鉚釘、鞋眼帶                          | SATRA TM149   |
| Color fastness to Crocking 摩擦褪色測試                                      | BS EN ISO 105-X12<br>AATCC 8<br>AATCC 116<br>SATRA TM167<br>ASTM D5053<br>GB/T 3920  | <b>Waterproof Footwear (If ASTM F2413 Claimed) 防水鞋 (如有ASTM F2413防水標註)</b> |   |
| Color fastness to Perspiration 耐汗測試                                    | AATCC 15   | Full Booty Membrane Construction 防水襪套結構                                   | Visual Evaluation 目測  |
| Anti-yellowing 耐黃測試  | Laboratory Inhouse Method 實驗室內部方法  | Wet Flex Test 防水曲折  | SATRA TM77  |
| Phenolic Yellowing 酚黃測試  | ISO105X-18   | Static Soak Test 靜態防水   | Laboratory Inhouse Method 實驗室內部方法   |
| Non-marking Outsole 大底不留痕  | Laboratory Inhouse Method 實驗室內部方法  |   |   |
| Adhesion Strength 膠著力測試  | BS EN ISO 17708<br>SATRA TM411<br>FIA 1206<br>BS 5131-5.4<br>SATRA TM404<br>GB/T 532 |   |   |
| Flexing Resistance (Room / Cold) 曲折測試 (常溫 / 低溫)                        | SATRA TM92   |   |   |
| Stitching Seam Strength 縫線強度   | SATRA TM180<br>BS 5131 5.13  |   |   |
| Oil Resistance (For Label Claimed) 耐油 (有標籤)                            | ASTM D471  |   |   |

# Casual Shoes 休闲鞋

| Testing Item 測試項目  | Testing Method 測試方法  | Testing Item 測試項目   | Testing Method 測試方法   |
|--|--|---|---|
| Size Mark 鞋碼標準   | Visual Evaluation 目測   | Flexing Resistance (Room / Cold)<br>曲折測試 (常溫 / 低溫)                  | SATRA TM92  |
| Product Identification 產品類別  | Visual Evaluation 目測   | Stitching Seam Strength<br>縫線強度                                     | SATRA TM180<br>BS 5131 5.13   |
| Declaration of Responsibility<br>分銷商信息   | Visual Evaluation 目測   | Outsole Hardness 外底硬度   | ASTM D2240  |
| Leather Identification 皮革判定  | Visual Evaluation 目測   | Outsole Slip Resistance<br>防滑強度                                     | SATRA TM 144<br>ISO 13287<br>ASTM F2913<br>ASTM D2047<br>ASTM F489<br>ASTM F1677<br>ASTM F609 |
| Faux Fur Identification 假毛判定   | Visual Evaluation 目測   |   |   |
| Real Fur Identification 真毛判定   | Visual Evaluation 目測   |   |   |
| Wool Footwear Products<br>含羊毛鞋類產品  | Visual Evaluation 目測   | Outsole Abrasion 大底耐磨   | EN 12770<br>ISO 20871<br>ISO 4649<br>SATRA TM174<br>ASTM D1630                                |
| Poly-bag Warning Statement<br>塑料袋警告語標註   | Visual Evaluation 目測   |   |   |
| Monetary Based Labeled Claims<br>(For Canada)<br>價格聲稱 (加拿大)  | Visual Evaluation 目測   | Corrosion Resistance 防銹強度   | ISO 22775: Method 2   |
| French & English Language<br>(For Canada)<br>英法語 (加拿大)   | Visual Evaluation 目測   | Foam Thickness<br>(If Memory Foam Claimed)<br>泡棉厚度 (記憶棉需有標識)        | ASTM D3574  |
| Country of Origin 產地   | Visual Evaluation 目測   | Foam Density<br>(If Memory Foam Claimed)<br>泡棉密度 (記憶棉需有標識)          | ASTM D3574  |
| Tracking Label Information<br>(For Children)<br>跟踪信息 (童鞋)  | Visual Evaluation 目測   | Compression Set Test<br>(If Memory Foam Claimed)<br>壓縮回彈率 (記憶棉需有標識) | ASTM D3574  |
| Abuse Test (For Children - Drop,<br>Torque, Tension)<br>濫用測試 (童鞋 - 跌落、扭力、拉力)   | 16 CFR 1500 Section 51-53<br>16 CFR 1500 48/49/51/52/53<br>16 CFR 1501               | <b>Component Attachment<br/>Strength<br/>配件聯結強度</b>                 |   |
| Workmanship 做工工藝   | Visual Evaluation 目測   | Straps 條帶   | SATRA TM120   |
| Color fastness to Crocking<br>摩擦褪色測試   | BS EN ISO 105-X12<br>AATCC 8<br>AATCC 116<br>SATRA TM167<br>ASTM D5053<br>GB/T 3920  | Gores / Tongue 鬆緊帶 / 鞋舌   | BS 5131 5.11  |
|  |  | Shoe Lace Tags 鞋帶束片強度   | SATRA TM175   |
| Color fastness to Perspiration<br>耐汗測試   | AATCC 15   | Buckles 鞋扣  | SATRA TM181<br>BS 5131 5.11   |
| Anti-yellowing 耐黃測試  | Laboratory Inhouse Method<br>實驗室內部方法   | Eyelets 鞋眼  | SATRA TM150<br>SATRA TM149  |
| Phenolic Yellowing 酚黃測試  | ISO105X-18   | D-ring, Hook and Rivet, Lace Loops<br>D形扣、虎扣及鉚釘、鞋眼帶                 | SATRA TM149   |
| Washing Test - Staining / Color<br>Change (Label Claimed or White<br>Canvas/Leather Upper<br>Vulcanized)<br>水洗測試 - 顏色污染 / 顏色變化<br>(有標註或白色帆布/白色真皮面料<br>硫化鞋) | AATCC TS007/AATCC 135  | Toplifts 天皮   | BS EN ISO 19958<br>SATRA TM108  |
| Non-marking Outsole<br>大底不留痕   | Laboratory Inhouse Method<br>實驗室內部方法   |   |   |
| Adhesion Strength 膠著力測試  | BS EN ISO 17708<br>SATRA TM411<br>FIA 1206<br>BS 5131-5.4<br>SATRA TM404<br>GB/T 532 |   |   |

# Mule 包子鞋

| Testing Item 測試項目  | Testing Method 測試方法  | Testing Item 測試項目   | Testing Method 測試方法   |
|--|--|---|---|
| Size Mark 鞋碼標準   | Visual Evaluation 目測   | Flexing Resistance (Room / Cold)<br>曲折測試 (常溫 / 低溫)                  | SATRA TM92  |
| Product Identification 產品類別  | Visual Evaluation 目測   |   |   |
| Declaration of Responsibility<br>分銷商信息   | Visual Evaluation 目測   | Stitching Seam Strength<br>縫線強度                                     | SATRA TM180<br>BS 5131 5.13   |
| Leather Identification 皮革判定  | Visual Evaluation 目測   | Outsole Hardness 外底硬度   | ASTM D2240  |
| Faux Fur Identification 假毛判定   | Visual Evaluation 目測   | Outsole Slip Resistance<br>防滑強度                                     | SATRA TM 144<br>ISO 13287<br>ASTM F2913<br>ASTM D2047<br>ASTM F489<br>ASTM F1677<br>ASTM F609 |
| Real Fur Identification 真毛判定   | Visual Evaluation 目測   |   |   |
| Wool Footwear Products<br>含羊毛鞋類產品  | Visual Evaluation 目測   |   |   |
| Poly-bag Warning Statement<br>塑料袋警告語標註   | Visual Evaluation 目測   | Outsole Abrasion 大底耐磨   | EN 12770<br>ISO 20871<br>ISO 4649<br>SATRA TM174<br>ASTM D1630                                |
| Monetary Based Labeled Claims<br>(For Canada)<br>價格聲稱 (加拿大)  | Visual Evaluation 目測   | Corrosion Resistance 防銹強度   | ISO 22775: Method 2   |
| French & English Language<br>(For Canada)<br>英法語 (加拿大)   | Visual Evaluation 目測   | Foam Thickness<br>(If Memory Foam Claimed)<br>泡棉厚度 (記憶棉需有標識)        | ASTM D3574  |
| Country of Origin 產地   | Visual Evaluation 目測   | Foam Density<br>(If Memory Foam Claimed)<br>泡棉密度 (記憶棉需有標識)          | ASTM D3574  |
| Tracking Label Information<br>(For Children)<br>跟踪信息 (童鞋)  | Visual Evaluation 目測   | Compression Set Test<br>(If Memory Foam Claimed)<br>壓縮回彈率 (記憶棉需有標識) | ASTM D3574  |
| Abuse Test (For Children - Drop,<br>Torque, Tension)<br>濫用測試 (童鞋 - 跌落、扭力、拉力)   | 16 CFR 1500 Section 51-53<br>16 CFR 1500 48/49/51/52/53<br>16 CFR 1501               | <b>Component Attachment<br/>Strength</b><br>配件聯結強度                  |   |
| Workmanship 做工工藝   | Visual Evaluation 目測   | Straps 條帶   | SATRA TM120   |
| Color fastness to Crocking<br>摩擦褪色測試   | BS EN ISO 105-X12<br>AATCC 8<br>AATCC 116<br>SATRA TM167<br>ASTM D5053<br>GB/T 3920  | Gores / Tongue 鬆緊帶 / 鞋舌   | BS 5131 5.11  |
|  |  | Shoe Lace Tags 鞋帶束片強度   | SATRA TM175   |
| Color fastness to Perspiration<br>耐汗測試   | AATCC 15   | Buckles 鞋扣  | SATRA TM181<br>BS 5131 5.11   |
| Anti-yellowing 耐黃測試  | Laboratory Inhouse Method<br>實驗室內部方法   | Eyelets 鞋眼  | SATRA TM150<br>SATRA TM149  |
| Phenolic Yellowing 酚黃測試  | ISO105X-18   | D-ring, Hook and Rivet, Lace Loops<br>D形扣、虎扣及鉚釘、鞋眼帶                 | SATRA TM149   |
| Washing Test - Staining / Color<br>Change (Label Claimed or White<br>Canvas/Leather Upper<br>Vulcanized)<br>水洗測試 - 顏色污染 / 顏色變化<br>(有標註或白色帆布/白色真皮面料<br>硫化鞋) | AATCC TS007/AATCC 135  |   |   |
| Non-marking Outsole<br>大底不留痕   | Laboratory Inhouse Method<br>實驗室內部方法   |   |   |
| Adhesion Strength 膠著力測試  | BS EN ISO 17708<br>SATRA TM411<br>FIA 1206<br>BS 5131-5.4<br>SATRA TM404<br>GB/T 532 |   |   |

# Canvas & Vulcanized 帆布鞋及硫化鞋

| Testing Item 測試項目  | Testing Method 測試方法  | Testing Item 測試項目   | Testing Method 測試方法   |
|--|--|---|---|
| Size Mark 鞋碼標準   | Visual Evaluation 目測   | Flexing Resistance (Room / Cold)<br>曲折測試 (常溫 / 低溫)                  | SATRA TM92  |
| Product Identification 產品類別  | Visual Evaluation 目測   |   |   |
| Declaration of Responsibility<br>分銷商信息   | Visual Evaluation 目測   | Stitching Seam Strength<br>縫線強度                                     | SATRA TM180<br>BS 5131 5.13   |
| Leather Identification 皮革判定  | Visual Evaluation 目測   | Outsole Hardness 外底硬度   | ASTM D2240  |
| Faux Fur Identification 假毛判定   | Visual Evaluation 目測   | Outsole Slip Resistance<br>防滑強度                                     | SATRA TM 144<br>ISO 13287<br>ASTM F2913<br>ASTM D2047<br>ASTM F489<br>ASTM F1677<br>ASTM F609 |
| Real Fur Identification 真毛判定   | Visual Evaluation 目測   |   |   |
| Wool Footwear Products<br>含羊毛鞋類產品  | Visual Evaluation 目測   |   |   |
| Poly-bag Warning Statement<br>塑料袋警告語標註   | Visual Evaluation 目測   | Outsole Abrasion 大底耐磨   | EN 12770<br>ISO 20871<br>ISO 4649<br>SATRA TM174<br>ASTM D1630                                |
| Monetary Based Labeled Claims<br>(For Canada)<br>價格聲稱 (加拿大)  | Visual Evaluation 目測   |   |   |
| French & English Language<br>(For Canada)<br>英法語 (加拿大)   | Visual Evaluation 目測   | Corrosion Resistance 防銹強度   | ISO 22775: Method 2   |
| Country of Origin 產地   | Visual Evaluation 目測   | Foam Thickness<br>(If Memory Foam Claimed)<br>泡棉厚度 (記憶棉需有標識)        | ASTM D3574  |
| Tracking Label Information<br>(For Children)<br>跟踪信息 (童鞋)  | Visual Evaluation 目測   | Foam Density<br>(If Memory Foam Claimed)<br>泡棉密度 (記憶棉需有標識)          | ASTM D3574  |
| Abuse Test (For Children - Drop,<br>Torque, Tension)<br>濫用測試 (童鞋 - 跌落、扭力、拉力)   | 16 CFR 1500 Section 51-53<br>16 CFR 1500 48/49/51/52/53<br>16 CFR 1501               | Compression Set Test<br>(If Memory Foam Claimed)<br>壓縮回彈率 (記憶棉需有標識) | ASTM D3574  |
| Workmanship 做工工藝   | Visual Evaluation 目測   | <b>Component Attachment<br/>Strength<br/>配件聯結強度</b>                 |   |
| Color fastness to Crocking<br>摩擦褪色測試   | BS EN ISO 105-X12<br>AATCC 8<br>AATCC 116<br>SATRA TM167<br>ASTM D5053<br>GB/T 3920  | Straps 條帶   | SATRA TM120   |
|  |  | Gores / Tongue 鬆緊帶 / 鞋舌   | BS 5131 5.11  |
| Color fastness to Perspiration<br>耐汗測試   | AATCC 15   | Shoe Lace Tags 鞋帶束片強度   | SATRA TM175   |
| Anti-yellowing 耐黃測試  | Laboratory Inhouse Method<br>實驗室內部方法   | Buckles 鞋扣  | SATRA TM181<br>BS 5131 5.11   |
| Phenolic Yellowing 酚黃測試  | ISO105X-18   | Eyelets 鞋眼  | SATRA TM150<br>SATRA TM149  |
| Washing Test - Staining / Color<br>Change (Label Claimed or White<br>Canvas/Leather Upper<br>Vulcanized)<br>水洗測試 - 顏色污染 / 顏色變化<br>(有標註或白色帆布/白色真皮面料<br>硫化鞋) | AATCC TS007/AATCC 135  | D-ring, Hook and Rivet, Lace Loops<br>D形扣、虎扣及鉚釘、鞋眼帶                 | SATRA TM149   |
| Non-marking Outsole<br>大底不留痕   | Laboratory Inhouse Method<br>實驗室內部方法   |   |   |
| Adhesion Strength 膠著力測試  | BS EN ISO 17708<br>SATRA TM411<br>FIA 1206<br>BS 5131-5.4<br>SATRA TM404<br>GB/T 532 |   |   |

# Rubber Footwear 橡膠鞋

| Testing Item 測試項目  | Testing Method 測試方法  | Testing Item 測試項目   | Testing Method 測試方法   |
|--|--|---|---|
| Size Mark 鞋碼標準   | Visual Evaluation 目測   | Outsole Hardness 外底硬度   | ASTM D2240  |
| Product Identification 產品類別  | Visual Evaluation 目測   | Outsole Slip Resistance 防滑強度                                  | SATRA TM 144<br>ISO 13287<br>ASTM F2913<br>ASTM D2047<br>ASTM F489<br>ASTM F1677<br>ASTM F609 |
| Declaration of Responsibility 分銷商信息                                    | Visual Evaluation 目測   |   |   |
| Leather Identification 皮革判定  | Visual Evaluation 目測   | Outsole Abrasion 大底耐磨   | EN 12770<br>ISO 20871<br>ISO 4649<br>SATRA TM174<br>ASTM D1630                                |
| Faux Fur Identification 假毛判定   | Visual Evaluation 目測   |   |   |
| Real Fur Identification 真毛判定   | Visual Evaluation 目測   |   |   |
| Wool Footwear Products 含羊毛鞋類產品   | Visual Evaluation 目測   | Blooming Test 吐霜  | SATRA TM361   |
| Poly-bag Warning Statement 塑料袋警告語標註                                    | Visual Evaluation 目測   | Corrosion Resistance 防銹強度                                     | ISO 22775: Method 2   |
| Monetary Based Labeled Claims (For Canada) 價格聲稱 (加拿大)                  | Visual Evaluation 目測   | Foam Thickness (If Memory Foam Claimed) 泡棉厚度 (記憶棉需有標識)        | ASTM D3574  |
| French & English Language (For Canada) 英法語 (加拿大)                       | Visual Evaluation 目測   | Foam Density (If Memory Foam Claimed) 泡棉密度 (記憶棉需有標識)          | ASTM D3574  |
| Country of Origin 產地   | Visual Evaluation 目測   | Compression Set Test (If Memory Foam Claimed) 壓縮回彈率 (記憶棉需有標識) | ASTM D3574  |
| Tracking Label Information (For Children) 跟踪信息 (童鞋)                    | Visual Evaluation 目測   | <b>Component Attachment Strength 配件聯結強度</b>                   |   |
| Abuse Test (For Children - Drop, Torque, Tension) 濫用測試 (童鞋 - 跌落、扭力、拉力) | 16 CFR 1500 Section 51-53<br>16 CFR 1500 48/49/51/52/53<br>16 CFR 1501               | Straps 條帶   | SATRA TM120   |
| Workmanship 做工工藝   | Visual Evaluation 目測   | Gores / Tongue 鬆緊帶 / 鞋舌                                       | BS 5131 5.11  |
| Color fastness to Crocking 摩擦褪色測試                                      | BS EN ISO 105-X12<br>AATCC 8<br>AATCC 116<br>SATRA TM167<br>ASTM D5053<br>GB/T 3920  | Shoe Lace Tags 鞋帶束片強度   | SATRA TM175   |
| Color fastness to Perspiration 耐汗測試                                    | AATCC 15   | Buckles 鞋扣  | SATRA TM181<br>BS 5131 5.11   |
| Anti-yellowing 耐黃測試  | Laboratory Inhouse Method 實驗室內部方法  | Eyelets 鞋眼  | SATRA TM150<br>SATRA TM149  |
| Phenolic Yellowing 酚黃測試  | ISO105X-18   | D-ring, Hook and Rivet, Lace Loops D形扣、虎扣及鉚釘、鞋眼帶              | SATRA TM149   |
| Non-marking Outsole 大底不留痕  | Laboratory Inhouse Method 實驗室內部方法  | <b>Waterproof Footwear (for Rain Boots) 防水測試 (雨靴)</b>         |   |
| Adhesion Strength 膠著力測試  | BS EN ISO 17708<br>SATRA TM411<br>FIA 1206<br>BS 5131-5.4<br>SATRA TM404<br>GB/T 532 | Wet Flex Test 防水曲折  | SATRA TM77  |
| Flexing Resistance (Room / Cold) 曲折測試 (常溫 / 低溫)                        | SATRA TM92   | Static Soak Test 靜態防水   | Laboratory Inhouse Method 實驗室內部方法   |
| Stitching Seam Strength 縫線強度   | SATRA TM180<br>BS 5131 5.13  |   |   |
| Oil Resistance (If Label Claimed) 耐油 (有標籤)                             | ASTM D471  |   |   |

# Institutional Shoes 厨師鞋

| Testing Item 測試項目                                     | Testing Method 測試方法   | Testing Item 測試項目   | Testing Method 測試方法  |   |
|---|---|---|--|---|
| Size Mark 鞋碼標準  | Visual Evaluation 目測  | Outsole Abrasion 大底耐磨   | EN 12770<br>ISO 20871<br>ISO 4649<br>SATRA TM174<br>ASTM D1630 |   |
| Product Identification 產品類別                           | Visual Evaluation 目測  |   | Corrosion Resistance 防銹強度                                      | ISO 22775: Method 2   |
| Declaration of Responsibility 分銷商信息                   | Visual Evaluation 目測  |   |  | Foam Thickness (If Memory Foam Claimed) 泡棉厚度 (記憶棉需有標識)        |
| Leather Identification 皮革判定                           | Visual Evaluation 目測  |   | Foam Density (If Memory Foam Claimed) 泡棉密度 (記憶棉需有標識)           |   |
| Faux Fur Identification 假毛判定                          | Visual Evaluation 目測  |   |  | Compression Set Test (If Memory Foam Claimed) 壓縮回彈率 (記憶棉需有標識) |
| Real Fur Identification 真毛判定                          | Visual Evaluation 目測  |   | Compression Set Test (For Foam Sock) 壓縮回彈率 (鞋墊)                |   |
| Wool Footwear Products 含羊毛鞋類產品                        | Visual Evaluation 目測  |   |  | <b>Component Attachment Strength 配件聯結強度</b>                   |
| Poly-bag Warning Statement 塑料袋警告語標註                   | Visual Evaluation 目測  |   | Straps 條帶  | SATRA TM120   |
| Monetary Based Labeled Claims (For Canada) 價格聲稱 (加拿大) | Visual Evaluation 目測  |   | Gores / Tongue 鬆緊帶 / 鞋舌  | BS 5131 5.11  |
| French & English Language (For Canada) 英法語 (加拿大)      | Visual Evaluation 目測  |   | Shoe Lace Tags 鞋帶束片強度  | SATRA TM175   |
| Country of Origin 產地                                  | Visual Evaluation 目測  | Buckles 鞋扣  | SATRA TM181<br>BS 5131 5.11                                    |   |
| Workmanship 做工工藝                                      | Visual Evaluation 目測  | Eyelets 鞋眼  | SATRA TM150<br>SATRA TM149                                     |   |
| Color fastness to Crocking 摩擦褪色測試                     | BS EN ISO 105-X12<br>AATCC 8<br>AATCC 116<br>SATRA TM167<br>ASTM D5053<br>GB/T 3920           | D-ring, Hook and Rivet, Lace Loops D形扣、虎扣及鉚釘、鞋眼帶                          | SATRA TM149  |   |
| Color fastness to Perspiration 耐汗測試                   | AATCC 15  | <b>Waterproof Footwear (If ASTM F2413 Claimed) 防水鞋 (如有ASTM F2413防水標註)</b> |  |   |
| Anti-yellowing 耐黃測試                                   | Laboratory Inhouse Method 實驗室內部方法   | Full Booty Membrane Construction 防水襪套結構                                   | Visual Evaluation 目測   |   |
| Phenolic Yellowing 酚黃測試                               | ISO105X-18  | Wet Flex Test 防水曲折  | SATRA TM77   |   |
| Non-marking Outsole 大底不留痕                             | Laboratory Inhouse Method 實驗室內部方法   | Static Soak Test 靜態防水   | Laboratory Inhouse Method 實驗室內部方法                              |   |
| Adhesion Strength 膠著力測試                               | BS EN ISO 17708<br>SATRA TM411<br>FIA 1206<br>BS 5131-5.4<br>SATRA TM404<br>GB/T 532          |   |  |   |
| Flexing Resistance (Room / Cold) 曲折測試 (常溫 / 低溫)       | SATRA TM92  |   |  |   |
| Stitching Seam Strength 縫線強度                          | SATRA TM180<br>BS 5131 5.13   |   |  |   |
| Oil Resistance (If Label Claimed) 耐油 (有標識)            | ASTM D471   |   |  |   |
| Outsole Hardness 外底硬度                                 | ASTM D2240  |   |  |   |
| Outsole Slip Resistance 防滑強度                          | SATRA TM 144<br>ISO 13287<br>ASTM F2913<br>ASTM D2047<br>ASTM F489<br>ASTM F1677<br>ASTM F609 |   |  |   |

# Boots 靴類

| Testing Item 測試項目  | Testing Method 測試方法  | Testing Item 測試項目   | Testing Method 測試方法   |
|--|--|---|---|
| Size Mark 鞋碼標準   | Visual Evaluation 目測   | Oil Resistance (For Label Claimed) 耐油 (有標籤)                               | ASTM D471   |
| Product Identification 產品類別  | Visual Evaluation 目測   | Outsole Hardness 外底硬度   | ASTM D2240  |
| Declaration Of Responsibility 分銷商信息                                    | Visual Evaluation 目測   | Outsole Slip Resistance 防滑強度  | SATRA TM 144<br>ISO 13287<br>ASTM F2913<br>ASTM D2047<br>ASTM F489<br>ASTM F1677<br>ASTM F609 |
| Leather Identification 皮革判定  | Visual Evaluation 目測   |   |   |
| Faux Fur Identification 假毛判定   | Visual Evaluation 目測   |   |   |
| Real Fur Identification 真毛判定   | Visual Evaluation 目測   |   |   |
| Wool Footwear Products 含羊毛鞋類產品   | Visual Evaluation 目測   | Outsole Abrasion 大底耐磨   | EN 12770<br>ISO 20871<br>ISO 4649<br>SATRA TM174<br>ASTM D1630                                |
| Poly-bag Warning Statement 塑料袋警告語標註                                    | Visual Evaluation 目測   |   |   |
| Monetary Based Labeled Claims (For Canada) 價格聲稱(加拿大)                   | Visual Evaluation 目測   | Corrosion Resistance 防銹強度   | ISO 22775: Method 2   |
| French & English Language (For Canada) 英法語(加拿大)                        | Visual Evaluation 目測   | Foam Thickness (If Memory Foam Claimed) 泡棉厚度 (記憶棉需有標識)                    | ASTM D3574  |
| Country of Origin 產地   | Visual Evaluation 目測   | Foam Density (If Memory Foam Claimed) 泡棉密度 (記憶棉需有標識)                      | ASTM D3574  |
| Tracking Label Information (For Children) 跟踪信息(童鞋)                     | Visual Evaluation 目測   | Compression Set Test (If Memory Foam Claimed) 壓縮回彈率 (記憶棉需有標識)             | ASTM D3574  |
| Abuse Test (For Children - Drop, Torque, Tension) 濫用測試 (童鞋 - 跌落、扭力、拉力) | 16 CFR 1500 Section 51-53<br>16 CFR 1500 48/49/51/52/53<br>16 CFR 1501               | <b>Component Attachment Strength 配件聯結強度</b>                               |   |
| Workmanship 做工工藝   | Visual Evaluation 目測   | Straps 條帶   | SATRA TM120   |
| Color fastness To Crocking 摩擦褪色測試                                      | BS EN ISO 105-X12<br>AATCC 8<br>AATCC 116<br>SATRA TM167<br>ASTM D5053<br>GB/T 3920  | Toe Posts 夾腳帶聯結強度   | SATRA TM118   |
|  |  | Shoe Lace Tags 鞋帶束片強度   | SATRA TM175   |
|  |  | Buckles 鞋扣  | SATRA TM181<br>BS 5131 5.11   |
| Color fastness To Perspiration 耐汗測試                                    | AATCC 15   | Eyelets 鞋眼  | SATRA TM150<br>SATRA TM149  |
| Anti-yellowing 耐黃測試  | Laboratory Inhouse Method 實驗室內部方法  | Toplifts 天皮   | BS EN ISO 19958<br>SATRA TM108  |
| Phenolic Yellowing 酚黃測試  | ISO105X-18   | <b>Waterproof Footwear (If ASTM F2413 Claimed) 防水鞋 (如有ASTM F2413防水標註)</b> |   |
| Washing Test - Staining / Color Change 水洗測試 - 顏色污染 / 顏色變化              | AATCC IS007/AATCC 135  | Full Booty Membrane Construction 防水襪套結構                                   | Visual Evaluation 目測  |
| Non-marking Outsole 大底不留痕  | Laboratory Inhouse Method 實驗室內部方法  | Wet Flex Test 防水曲折  | SATRA TM77  |
| Adhesion Strength 膠著力測試  | BS EN ISO 17708<br>SATRA TM411<br>FIA 1206<br>BS 5131-5.4<br>SATRA TM404<br>GB/T 532 | Static Soak Test 靜態防水   | Laboratory Inhouse Method 實驗室內部方法   |
|  |  | Flexing Resistance (Room / Cold) 曲折測試 (常溫 / 低溫)                           | SATRA TM92  |
| Stitching Seam Strength 縫線強度   | SATRA TM180<br>BS 5131 5.13  |   |   |

# Indoor Slipper 室內拖鞋

| Testing Item 測試項目  | Testing Method 測試方法  | Testing Item 測試項目   | Testing Method 測試方法   |
|--|--|---|---|
| Size Mark 鞋碼標準   | Visual Evaluation 目測   | Flexing Resistance (Room / Cold)<br>曲折測試 (常溫 / 低溫)                  | SATRA TM92  |
| Product Identification 產品類別  | Visual Evaluation 目測   | Stitching Seam Strength<br>縫線強度                                     | SATRA TM180<br>BS 5131 5.13   |
| Declaration Of Responsibility<br>分銷商信息                                       | Visual Evaluation 目測   | Outsole Slip Resistance<br>(For Fabric Covered Sole)<br>防滑強度 (大底覆布) | SATRA TM 144<br>ISO 13287<br>ASTM F2913<br>ASTM D2047<br>ASTM F489<br>ASTM F1677<br>ASTM F609 |
| Leather Identification 皮革判定  | Visual Evaluation 目測   | Corrosion Resistance 防銹強度   | ISO 22775: Method 2   |
| Faux Fur Identification 假毛判定   | Visual Evaluation 目測   | Foam Thickness<br>(If Memory Foam Claimed)<br>泡棉厚度 (記憶棉需有標識)        | ASTM D3574  |
| Real Fur Identification 真毛判定   | Visual Evaluation 目測   | Foam Density<br>(If Memory Foam Claimed)<br>泡棉密度 (記憶棉需有標識)          | ASTM D3574  |
| Wool Footwear Products<br>含羊毛鞋類產品  | Visual Evaluation 目測   | Compression Set Test<br>(From PU Foam)<br>壓縮回彈率 (PU泡棉)              | ASTM D3574  |
| Poly-bag Warning Statement<br>塑料袋警告語標註                                       | Visual Evaluation 目測   | <b>Component Attachment<br/>Strength<br/>配件聯結強度</b>                 |   |
| Monetary Based Labeled Claims<br>(For Canada)<br>價格聲稱 (加拿大)                  | Visual Evaluation 目測   | Straps 條帶   | SATRA TM120   |
| French & English Language<br>(For Canada)<br>英法語 (加拿大)                       | Visual Evaluation 目測   | Toe Posts 夾腳帶聯結強度   | SATRA TM118   |
| Stuffing Labeling<br>(For Canada Indoor Slipper)<br>填充標信息 (加拿大室內拖鞋)          | Visual Evaluation 目測   | Shoe Lace Tags 鞋帶束片強度   | SATRA TM175   |
| Country of Origin 產地   | Visual Evaluation 目測   | Buckles 鞋扣  | SATRA TM181<br>BS 5131 5.11   |
| Tracking Label Information<br>(For Children)<br>跟踪信息 (童鞋)                    | Visual Evaluation 目測   | Eyelets 鞋眼  | SATRA TM150<br>SATRA TM149  |
| Abuse Test (For Children - Drop,<br>Torque, Tension)<br>濫用測試 (童鞋 - 跌落、扭力、拉力) | 16 CFR 1500 Section 51-53<br>16 CFR 1500 48/49/51/52/53<br>16 CFR 1501               | D-ring, Hook and Rivet, Lace Loops<br>D形扣、虎扣及鉚釘、鞋眼帶                 | SATRA TM149   |
| Workmanship 做工工藝   | Visual Evaluation 目測   |   |   |
| Color fastness To Crocking<br>摩擦褪色測試   | BS EN ISO 105-X12<br>AATCC 8<br>AATCC 116<br>SATRA TM167<br>ASTM D5053<br>GB/T 3920  |   |   |
| Color fastness To Perspiration<br>耐汗測試                                       | AATCC 15   |   |   |
| Anti-yellowing<br>耐黃測試   | Laboratory Inhouse Method<br>實驗室內部方法   |   |   |
| Phenolic Yellowing<br>酚黃測試   | ISO105X-18   |   |   |
| Washing Test -<br>Staining / Color Change<br>水洗測試 - 顏色污染 / 顏色變化              | AATCC IS007/AATCC 135  |   |   |
| Non-marking Outsole<br>大底不留痕   | Laboratory Inhouse Method<br>實驗室內部方法   |   |   |
| Adhesion Strength<br>膠著力測試   | BS EN ISO 17708<br>SATRA TM411<br>FIA 1206<br>BS 5131-5.4<br>SATRA TM404<br>GB/T 532 |   |   |



# Aqua Sock 划水鞋

| Testing Item 測試項目  | Testing Method 測試方法  | Testing Item 測試項目                                   | Testing Method 測試方法   |                             |
|--|--|---|---|-----------------------------|
| Size Mark 鞋碼標準   | Visual Evaluation 目測   | Outsole Slip Resistance<br>防滑強度                     | SATRA TM 144<br>ISO 13287<br>ASTM F2913<br>ASTM D2047<br>ASTM F489<br>ASTM F1677<br>ASTM F609 |                             |
| Product Identification 產品類別  | Visual Evaluation 目測   |   | Corrosion Resistance 防銹強度   | ISO 22775: Method 2         |
| Declaration of Responsibility<br>分銷商信息                                       | Visual Evaluation 目測   |   | Foam Thickness 泡棉厚度   | ASTM D3574                  |
| Leather Identification 皮革判定  | Visual Evaluation 目測   |   | Foam Density 泡棉密度   | ASTM D3574                  |
| Faux Fur Identification 假毛判定   | Visual Evaluation 目測   |   | Compression Set Test 壓縮回彈率  | ASTM D3574                  |
| Real Fur Identification 真毛判定   | Visual Evaluation 目測   |   | <b>Component Attachment<br/>Strength<br/>配件聯結強度</b>   |                             |
| Poly-bag Warning Statement<br>塑料袋警告語標註                                       | Visual Evaluation 目測   |   | Straps 條帶   | SATRA TM120                 |
| Monetary Based Labeled Claims<br>(For Canada)<br>價格聲稱 (加拿大)                  | Visual Evaluation 目測   |   | Gores/tongue 鬆緊帶 / 鞋舌   | BS 5131 5.11                |
| French & English Language<br>(For Canada)<br>英法語 (加拿大)                       | Visual Evaluation 目測   |   | Shoe Lace Tags 鞋帶束片強度   | SATRA TM175                 |
| Country of Origin 產地   | Visual Evaluation 目測   |   | Buckles 鞋扣  | SATRA TM181<br>BS 5131 5.11 |
| Tracking Label Information<br>(For Children)<br>跟踪信息 (童鞋)                    | Visual Evaluation 目測   | Eyelets 鞋眼  | SATRA TM150<br>SATRA TM149  |                             |
| Abuse Test (For Children - Drop,<br>Torque, Tension)<br>濫用測試 (童鞋 - 跌落、扭力、拉力) | 16 CFR 1500 Section 51-53<br>16 CFR 1500 48/49/51/52/53<br>16 CFR 1501               | D-ring, Hook and Rivet, Lace Loops<br>D形扣、虎扣及鉚釘、鞋眼帶 | SATRA TM149   |                             |
| Workmanship 做工工藝   | Visual Evaluation 目測   |   |   |                             |
| Color fastness to Crocking<br>摩擦褪色測試   | BS EN ISO 105-X12<br>AATCC 8<br>AATCC 116<br>SATRA TM167<br>ASTM D5053<br>GB/T 3920  |   |   |                             |
| Color fastness to Perspiration<br>耐汗測試                                       | AATCC 15   |   |   |                             |
| Anti-yellowing<br>耐黃測試   | Laboratory Inhouse Method<br>實驗室內部方法   |   |   |                             |
| Phenolic Yellowing<br>酚黃測試   | ISO105X-18   |   |   |                             |
| Washing Test -<br>Staining / Color Change<br>水洗測試 - 顏色污染 / 顏色變化              | AATCC IS007/AATCC 135  |   |   |                             |
| Non-marking Outsole<br>大底不留痕   | Laboratory Inhouse Method<br>實驗室內部方法   |   |   |                             |
| Adhesion Strength<br>膠著力測試   | BS EN ISO 17708<br>SATRA TM411<br>FIA 1206<br>BS 5131-5.4<br>SATRA TM404<br>GB/T 532 |   |   |                             |
| Flexing Resistance (Room / Cold)<br>曲折測試 (常溫 / 低溫)                           | SATRA TM92   |   |   |                             |
| Stitching Seam Strength<br>縫線強度  | SATRA TM180<br>BS 5131 5.13  |   |   |                             |
| Outsole Hardness 外底硬度  | ASTM D2240   |   |   |                             |

# Sandals 涼鞋

| Testing Item 測試項目  | Testing Method 測試方法  | Testing Item 測試項目   | Testing Method 測試方法   |
|--|--|---|---|
| Size Mark 鞋碼標準   | Visual Evaluation 目測   | Outsole Hardness 外底硬度   | ASTM D2240  |
| Product Identification 產品類別  | Visual Evaluation 目測   | Outsole Slip Resistance 防滑強度                                  | SATRA TM 144<br>ISO 13287<br>ASTM F2913<br>ASTM D2047<br>ASTM F489<br>ASTM F1677<br>ASTM F609 |
| Declaration of Responsibility 分銷商信息                                    | Visual Evaluation 目測   |   |   |
| Leather Identification 皮革判定  | Visual Evaluation 目測   | Outsole Abrasion 大底耐磨   | EN 12770<br>ISO 20871<br>ISO 4649<br>SATRA TM174<br>ASTM D1630                                |
| Faux Fur Identification 假毛判定   | Visual Evaluation 目測   |   |   |
| Real Fur Identification 真毛判定   | Visual Evaluation 目測   | Corrosion Resistance 防銹強度                                     | ISO 22775: Method 2   |
| Wool Footwear Products 含羊毛鞋類產品   | Visual Evaluation 目測   | Foam Thickness (If Memory Foam Claimed) 泡棉厚度 (記憶棉需有標識)        | ASTM D3574  |
| Poly-bag Warning Statement 塑料袋警告語標註                                    | Visual Evaluation 目測   | Foam Density (If Memory Foam Claimed) 泡棉密度 (記憶棉需有標識)          | ASTM D3574  |
| Monetary Based Labeled Claims (For Canada) 價格聲稱 (加拿大)                  | Visual Evaluation 目測   | Compression Set Test (If Memory Foam Claimed) 壓縮回彈率 (記憶棉需有標識) | ASTM D3574  |
| French & English Language (For Canada) 英法語 (加拿大)                       | Visual Evaluation 目測   | <b>Component Attachment Strength 配件聯結強度</b>                   |   |
| Country of Origin 產地   | Visual Evaluation 目測   | Straps 條帶   | SATRA TM120   |
| Tracking Label Information (For Children) 跟踪信息 (童鞋)                    | Visual Evaluation 目測   | Toe Posts 夾腳帶   | SATRA TM118   |
| Abuse Test (For Children - Drop, Torque, Tension) 濫用測試 (童鞋 - 跌落、扭力、拉力) | 16 CFR 1500 Section 51-53<br>16 CFR 1500 48/49/51/52/53<br>16 CFR 1501               | Shoe Lace Tags 鞋帶束片強度   | SATRA TM175   |
| Workmanship 做工工藝   | Visual Evaluation 目測   | Buckles 鞋扣  | SATRA TM181<br>BS 5131 5.11   |
| Color fastness to Crocking 摩擦褪色測試                                      | BS EN ISO 105-X12<br>AATCC 8<br>AATCC 116<br>SATRA TM167<br>ASTM D5053<br>GB/T 3920  | Eyelets 鞋眼  | SATRA TM150<br>SATRA TM149  |
| Color fastness to Perspiration 耐汗測試                                    | AATCC 15   | D-ring, Hook and Rivet, Lace Loops D形扣、虎扣及鉚釘、鞋眼帶              | SATRA TM149   |
| Anti-yellowing 耐黃測試  | Laboratory Inhouse Method 實驗室內部方法  | Heel 女鞋鞋跟   | EN 12785<br>SATRA TM113<br>ISO 22650<br>ASTM F2232<br>GB/T 11413                              |
| Phenolic Yellowing 酚黃測試  | ISO105X-18   | Toplifts 天皮   | BS EN ISO 19958<br>SATRA TM108  |
| Washing Test - Staining / Color Change 水洗測試 - 顏色污染 / 顏色變化              | AATCC IS007/AATCC 135  |   |   |
| Non-marking Outsole 大底不留痕  | Laboratory Inhouse Method 實驗室內部方法  |   |   |
| Adhesion Strength 膠著力測試  | BS EN ISO 17708<br>SATRA TM411<br>FIA 1206<br>BS 5131-5.4<br>SATRA TM404<br>GB/T 532 |   |   |
| Flexing Resistance (Room / Cold) 曲折測試 (常溫 / 低溫)                        | SATRA TM92   |   |   |
| Stitching Seam Strength 縫線強度   | SATRA TM180<br>BS 5131 5.13  |   |   |

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