



## Test Report

No.: HKSL1301012137TX

Date: Jan 28, 2013

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FOREST INTERNATIONAL ZIPPER COMPANY LIMITED  
UNIT 2, 5/F, HUNG TAT INDUSTRIAL BUILDING  
43 HUNG TO RD.  
KWUN TONG  
, KOWLOON, Hong Kong

The following sample was submitted and identified on behalf of the buyer as:

| Overall Rating |                  |
|----------------|------------------|
| X              | Pass             |
|                | Conditional Pass |
|                | Fail             |
| Division No.:  |                  |

| Garment Testing – Michael Kors          |                                                        |                       |                             |
|-----------------------------------------|--------------------------------------------------------|-----------------------|-----------------------------|
| Vendor Name:                            | Forest International Zipper Company Limited            |                       |                             |
| Sample Description:                     | One sample of #3 invisible close end zipper in orange. | Label:                | /                           |
| Color:                                  | Orange                                                 | End Use:              | /                           |
| Style:                                  | /                                                      | Supplier:             | /                           |
| Fiber Content:                          | /                                                      | PO / Ref. No.:        | /                           |
| Fabric Type:                            | /                                                      | Country Of Origin:    | /                           |
| Fabric Report:                          | /                                                      | Weight:               | /                           |
| Fabric Code:                            | /                                                      | Construction:         | /                           |
| Retest:                                 | No                                                     | Count:                | /                           |
| Previous Report No.:                    | /                                                      | Division              | /                           |
| Sample Receiving Date:                  | Jan 18, 2013                                           | Test Performing Date: | Jan 18, 2013 – Jan 28, 2013 |
| Applicant's Submitted Care Instruction: | SGS Recommended Care Instruction :                     |                       |                             |
| /                                       | /                                                      |                       |                             |

Residual and washed sample returned to applicant.

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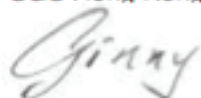
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| Test                                     | Pass | Conditional Pass | Fail | Remarks |
|------------------------------------------|------|------------------|------|---------|
| Appearance After 3 <sup>rd</sup> Washing | X    |                  |      |         |
| Zipper Strength                          | X    |                  |      |         |
| Total Lead Content in Substrate          | X    |                  |      |         |
| Total Lead Content in Substrate          | X    |                  |      |         |
| Total Lead Content in Surface Coating    | X    |                  |      |         |

**Remarks:**

- Pass** = Meets Michael Kors' performance standard.
- Fail** = Fails to meet Michael Kors' performance standard.
- Conditional Pass** = Meets Client's performance standard with the condition that the recommended changes are made or with client's approval.

Signed for and on behalf of  
SGS Hong Kong Ltd.



Chau Shui King, Ginny  
Senior Account Executive

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### Test Results:

#### Appearance After 3<sup>rd</sup> Washing

(Washing procedures: AATCC 135-2010 Option 1 Test No. (1)IIIA(ii); Machine wash at 105 degree F with 1.8 kg total loading (Type 3 ballast + specimen) and 66 ± 1g of 1993 AATCC Standard Reference detergent, normal cycle, tumble dry delicate less than 140 degree F)

Observation on washed sample:

- |                  |                                |
|------------------|--------------------------------|
| 1. Colour change | No significant change          |
| 2. Zipper        | Runs freely in both directions |

General appearance of washed sample is satisfactory.

#### Zipper Strength (ASTM D2061-2007)

|                                                 |                          | <u>Specified Requirement</u> |
|-------------------------------------------------|--------------------------|------------------------------|
| Top Stop Holding Strength Test (lb)             | 17.7 (Slider pulled out) | Min. 10 lb (Pass)            |
| Resistance To Pull-off Of Slider Pull Test (lb) | 19.4 (Puller pulled out) | Min. 15 lb (Pass)            |
| Bottom Stop Holding, Crosswise Test (lb)        | 15.7 (Stop broken)       | Min. 15 lb (Pass)            |

Remarks: It is noted that a specified sampling plan is laid down per ASTM D2061-2007.  
The above test results are based on 10 submitted sample(s) provided by the applicant.

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| Sample | Material No. | Component Description                                                    | Material |
|--------|--------------|--------------------------------------------------------------------------|----------|
| /      | 1            | orange coating on metal zipper slider/puller/tab/triangular ring         | coating  |
| /      | 2            | transparent plastic zipper top stop                                      | plastic  |
| /      | 3            | orange plastic zipper teeth                                              | plastic  |
| /      | 4            | silvery metal zipper slider (after removed orange coating)               | metal    |
| /      | 5            | silvery metal zipper puller (after removed orange coating)               | metal    |
| /      | 6            | silvery metal zipper tab on zipper slider (after removed orange coating) | metal    |
| /      | 7            | silvery metal axis (after removed orange coating)                        | metal    |
| /      | 8            | silvery metal triangular ring (after removed orange coating)             | metal    |

## Total Lead Content in Substrate

Test Method: In House Method. Analysis was performed by Inductively Coupled Argon Plasma – Atomic Emission Spectroscopy (ICP-AES)

|            | Result   |          |          |
|------------|----------|----------|----------|
|            | 4        | 5        | 6        |
| Lead (Pb)  | 18 mg/kg | 26 mg/kg | 31 mg/kg |
| Conclusion | Pass     | Pass     | Pass     |

|            | Result   |          |
|------------|----------|----------|
|            | 7        | 8        |
| Lead (Pb)  | 39 mg/kg | 35 mg/kg |
| Conclusion | Pass     | Pass     |

Note: n.d.=not detected  
mg/kg = ppm  
\*= Exceed the limit  
Detection limit = 5 mg/kg

Client's Requirement 100 mg/kg

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### Total Lead Content in Substrate

Test Method: With reference to EPA3051. Analysis was performed by Inductively Coupled Argon Plasma – Atomic Emission Spectroscopy (ICP-AES)

|            | Result |      |
|------------|--------|------|
|            | 2      | 3    |
| Lead (Pb)  | n.d.   | n.d. |
| Conclusion | Pass   | Pass |

Note: n.d.=not detected  
mg/kg = ppm  
\*= Exceed the limit  
Detection limit = 5 mg/kg

Client's Requirement 100 mg/kg

### Total Lead Content in Surface Coating

Test Method: With reference to ASTM E1645-01 and E1613-04.

|            | Result |  |
|------------|--------|--|
|            | 1      |  |
| Lead (Pb)  | n.d.   |  |
| Conclusion | Pass   |  |

Note: n.d.=not detected  
mg/kg = ppm  
\*= Exceed the limit  
Detection limit = 20 mg/kg

Client's Requirement 100 mg/kg

\*\*\* End of Report \*\*\*