



**BUREAU  
VERITAS**

# TEST REPORT

**Technical Report:** (5212)261-0244

September 20, 2012

Date Received: September 17, 2012

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CHENCONG  
DONGGUAN MINGGA ROPE BELF WEAVING CO LTD  
SHU TIAN SHU AN INDUSTRIAL ZONE  
HUMEN TOWN  
DONGGUAN  
CHINA

**Sample Description:** 全棉空心带(漂白)  
**H&M Order Number:** /  
**Supplier:** /  
**Date of Testing:** SEPTEMBER 17, 2012 to SEPTEMBER 20, 2012  
**Number of Working Days:** 4  
**Priority:** REGULAR

## SUMMARY OF TEST RESULTS

| TEST REQUESTED                              | CONCLUSION | REMARK                  |
|---|------------|-------------------------|
| Alkylphenol Ethoxylates (APEO) Content Test | -          | See Result(s) in Page 3 |
| Alkylphenols (AP) Content Test              | -          | See Result(s) in Page 4 |

HML

## REMARK

If there are questions or concerns on this report, please contact: (852) 2331 0330  
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BUREAU VERITAS HONG KONG LTD.

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**Photo of the Submitted Sample**



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## TEST RESULT

### Alkylphenol Ethoxylates (APEO) Content Test

**Test Method I** : For Textile or Leather :  
Agreed method of BVCPS, INTERTEK, MTS and SGS for AFIRM.

**Test Method II** : For Plastics, Print, Paint or Ink :  
Tetrahydrofuran (THF) / Acetonitrile (ACN) extraction and analysis by Liquid Chromatograph Mass Spectrometer (LC-MS).

**Tested Item(s)** : I001 White fabric

| Tested Item(s) | Test Method | Result              |       |      | Conclusion |
|----------------|-------------|---------------------|-------|------|------------|
|                |             | Detected Analyte(s) | Conc. | Unit |            |
| I001           | I           | ND                  | ND    | ppm  | -          |

Note:

ND = Not detected

">" = More than

Conc. = Concentration

ppm = part(s) per million = mg/kg      mg/kg = milligram(s) per kilogram

Detection Limit (ppm) : Each (OPEOs & NPEOs) : 30

Remark:

- The list of alkylphenol ethoxylates is summarized in table of Appendix.



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## TEST RESULT

### Alkylphenols (AP) Content Test

**Test Method I** : For Textile or Leather :  
Methanol extraction and analysis by Gas Chromatograph Mass Spectrometer (GC-MS).

**Test Method II** : For Plastics, Print, Paint or Ink :  
Tetrahydrofuran (THF) / Acetonitrile (ACN) extraction and analysis by Gas Chromatograph Mass Spectrometer (GC-MS).

**Tested Item(s)** : I001 White fabric

| Tested Item(s) | Test Method | Result              |       |      | Conclusion |
|----------------|-------------|---------------------|-------|------|------------|
|                |             | Detected Analyte(s) | Conc. | Unit |            |
| I001           | I           | ND                  | ND    | ppm  | -          |

Note:

ND = Not detected

">" = More than

Conc. = Concentration

ppm = part(s) per million = mg/kg      mg/kg = milligram(s) per kilogram

Detection Limit (ppm) : Each (OP & NP) : 5

Remark:

- The list of alkylphenols is summarized in table of Appendix.

END



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### APPENDIX

#### List of Alkylphenol Ethoxylates :

| No.  | Name of Analytes              | CAS-No.   | No. | Name of Analytes              | CAS-No.    |
|--|-------------------------------|-----------|-----|-------------------------------|------------|
| 1  | Octylphenoethoxylates (OPEOs) | 9002-93-1 | 2   | Nonylphenoethoxylates (NPEOs) | 68412-54-4 |
| CAS-No. = Chemical Abstracts Service registry number |                               |           |     |                               |            |

#### List of Alkylphenols :

| No.  | Name of Analytes | CAS-No.    | No. | Name of Analytes | CAS-No.    |
|--|------------------|------------|-----|------------------|------------|
| 1  | Octylphenol (OP) | 27193-28-8 | 2   | Nonylphenol (NP) | 25154-52-3 |
| CAS-No. = Chemical Abstracts Service registry number |                  |            |     |                  |            |