



**BUREAU
VERITAS**

TEST REPORT

Technical Report: (5213)178-0451

July 01, 2013

Date Received: June 27, 2013

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MR. CHAN
DONGGUAN MINGGA ROPE BELF WEAVING CO LTD
SHU TIAN SHU AN INDUSTRIAL ZONE
HUMEN TOWN
DONGGUAN
CHINA

Sample Description: HIGH ELASTIC NYLON YARN (BLACK)
H&M Order Number: /
Supplier: /
Date of Testing: JUNE 27, 2013 to JULY 01, 2013
Number of Working Days: 3
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:

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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 Black yarn

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 Black yarn

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					