



# TEST REPORT

**Technical Report:** (5213)361-1262

January 3, 2014

Date Received: December 27, 2013

Page 1 of 6

Dominic Chan  
Lancer Group Far East Ltd.  
Rm. 35, 11/Fl., 19~21 Shing Yip St.,  
Shing Yip Ind. Bldg, Kwun Tong, Kowloon, HK

Sample Description: Sample(s) received is/are stated to be:  
Printed fabric

Color:	White	Style No(s):	Evolution NX Series White
Order No.:	/	PO No.:	/
Model No.:	/	Batch No.:	/
Age Grade:	/	Product End Use:	Textile printing
Vendor:	/	Retest No.:	/
Manufacturer:	Lancer Group International	Supplier Reference:	/
Buyer:	Lancer Group International	Country of Origin:	Canada
Test Period:	December 27, 2013 – January 3, 2014	Country of Destination:	Canada
Fiber Content:	/		
Care Instruction:	/		

## SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
Total Lead Content	PASS	
Phthalates Content	PASS	
Solvent Residues Content	PASS	
Polynuclear Aromatic Hydrocarbons (PAHs) Content	PASS	
Extractable Heavy Metals Content	PASS	

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### REMARK

If there are questions or concerns on this report, please contact:

(852) 2331 0330  
analytical-enquiry@hk.bureauveritas.com

BUREAU VERITAS HONG KONG LTD.

DR. ALEX HUI  
MANAGER, CHEMICAL AND ANALYTICAL SERVICES



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Page 2 of 6

**Photo of the Submitted Sample**









**TEST RESULT**

**Extractable Heavy Metals Content**

**Test Method** : Artificial perspiration solution extraction according to ISO 105 E04:1996 and analyzed by ultraviolet-visible (UV-Vis) spectrophotometer.

**Tested Item(s)** : 2 White fabric with white print (swatch)

<b>Maximum Limit:</b>	<b>Class I</b>	<b>Element (mg/kg)</b>		
		<b>Cr VI</b>		
		<b>0.5</b>		
	<b>Class II &amp; III</b>	<b>Element (mg/kg)</b>		
		<b>Cr VI</b>		
		<b>0.5</b>		
	<b>Class IV</b>	<b>Element (mg/kg)</b>		
		<b>Cr VI</b>		
		<b>0.5</b>		
<b>-</b>	<b>Unit</b>	<b>Result</b>		
<b>Tested Item(s)</b>	-	2	-	-
<b>Class</b>	-	II	-	-
<b>Parameter</b>	-	-	-	-
<b>Chromium VI (CrVI)</b>	mg/kg	ND	-	-
<b>Conclusion</b>	-	PASS	-	-

Note:

ND = Not detected  
 mg/kg = milligram per kilogram  
 Detection Limit (mg/kg): 0.5

“>” = More than

END

## APPENDIX

<b>List of Phthalates:</b>					
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Butyl benzyl phthalate (BBP)	85-68-7	7	Di-isobutyl phthalate (DIBP)	84-69-5
2	Dibutyl phthalate (DBP)	84-74-2	8	Di-n-hexyl phthalate (DHP)	84-75-3
3	Di-2-ethylhexyl phthalate (DEHP)	117-81-7	9	1,2-benzenedicarboxylic acid, di-C7-11 branched alkyl ester and linear alkyl ester (DHNUP)	68515-42-4
4	Di-n-octyl phthalate (DNOP)	117-84-0	10	1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl ester, C7-rich (DIHP)	71888-89-6
5	Di-iso-nonyl phthalate (DINP)	28553-12-0	11	Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8
6	Di-iso-decyl phthalate (DIDP)	26761-40-0	12	Di-pentylphthalate (n-, iso-, or mixed)	131-18-0, 605-50-5, 776297-69-9

<b>List of Polynuclear Aromatic Hydrocarbons:</b>					
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Naphthalene	91-20-3	13	Dibenzo (a,h) anthracene	53-70-3
2	Acenaphthylene	208-96-8	14	Benzo (g,h,i) perylene	191-24-2
3	Acenaphthene	83-32-9	15	Benzo (b) fluoranthene	205-99-2
4	Fluorene	86-73-7	16	Benzo (k) fluoranthene	207-08-9
5	Phenanthrene	85-01-8	17	Benzo (e) pyrene	192-97-2
6	Antracene	120-12-7	18	Benzo (j) fluoranthene	205-83-2
7	Fluoranthene	206-44-0	19	Cyclopenta (c,d) pyrene	27208-37-3
8	Pyrene	129-00-0	20	Dibenzo (a,e) pyrene	192-65-4
9	Benzo (a) anthracene	56-55-3	21	Dibenzo (a,h) pyrene	189-64-0
10	Chrysene	218-01-9	22	Dibenzo (a,i) pyrene	189-55-9
11	Benzo (a) pyrene	50-32-8	23	Dibenzo (a,l) pyrene	191-30-0
12	Indeno (1,2,3-cd) pyrene	193-39-5	24	1-Methylpyrene	2381-21-7

<b>List of Solvent Residues:</b>					
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	1-Methyl-2-pyrrolidone	872-50-4	3	Dimethylformamide	68-12-2
2	N,N-Dimethylacetamide	27-19-5	-	-	-



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Sample Description: Sample(s) received is/are stated to be:  
Printed fabric

Color:	White	Style No(s):	Evolution NX Series Base
Order No.:	/	PO No.:	/
Model No.:	/	Batch No.:	/
Age Grade:	/	Product End Use:	Textile printing
Vendor:	/	Retest No.:	/
Manufacturer:	Lancer Group International	Supplier Reference:	/
Buyer:	Lancer Group International	Country of Origin:	Canada
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**Photo of the Submitted Sample**











**TEST RESULT**

**Extractable Heavy Metals Content**

**Test Method** : Artificial perspiration solution extraction according to ISO 105 E04:1996 and analyzed by ultraviolet-visible (UV-Vis) spectrophotometer.

**Tested Item(s)** : 2 White fabric with white print (swatch)

<b>Maximum Limit:</b>	<b>Class I</b>	<b>Element (mg/kg)</b>		
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	<b>Class II &amp; III</b>	<b>Element (mg/kg)</b>		
		<b>Cr VI</b>		
		<b>0.5</b>		
	<b>Class IV</b>	<b>Element (mg/kg)</b>		
		<b>Cr VI</b>		
		<b>0.5</b>		
-	<b>Unit</b>	<b>Result</b>		
<b>Tested Item(s)</b>	-	2	-	-
<b>Class</b>	-	II	-	-
<b>Parameter</b>	-	-	-	-
Chromium VI (CrVI)	mg/kg	ND	-	-
<b>Conclusion</b>	-	PASS	-	-

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