



**BUREAU  
VERITAS**

# TEST REPORT

**REPORT NO.** : (5508)270-1056-R1 (HK)  
**DATE** : FEBRUARY 25, 2009  
**PAGE** : 1 OF 4  
THE REPORT IS AMENDMENT OF AND SUPERSEDES THE  
PREVIOUS REPORT (5508)270-1056 DATED  
OCTOBER 9, 2008

**APPLICANT & ADDRESS** : RUTLAND PLASTIC TECHNOLOGIES  
10021 RODNEY STREET PINEVILLE, NC 28134  
**CONTACT PERSON** : TONY CHAPMAN  
**DATE OF SUBMISSION** : SEPTEMBER 26, 2008  
**TESTING PERIOD** : OCTOBER 2, 2008 – OCTOBER 9, 2008  
**SAMPLE DESCRIPTION** : Sample(s) received is/are stated to be:  
CLAIRA EB, EM, EH, ES/ UNIMATCH HO BASE  
Season: ALL  
Liaison Office (LO): ALL  
Vendor Code: /  
Item Number: 1  
Style Number: PTF HO  
Factory Code: ALL  
Color Name: HO BASE  
Color Code: PTF/PTHF SERIES  
Age Group: ALL AGES  
Product End Use: /  
Material Supplier: RUTLAND/ UNION  
Care Instruction: /  
Country of Destination: /  
Sample Type: COMPONENTS  
Product Category: APPAREL  
Material Package: /  
**RETEST NO.** : /

**REMARK**

If there are questions or concerns on this report, please contact: (852) 2494-5783  
analytical-enquiry@hk.bureauveritas.com

BUREAU VERITAS HONG KONG LIMITED

PREPARED BY: \_\_\_\_\_ Ed \_\_\_\_\_

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### Photo of the Submitted Sample



### SUMMARY OF TEST RESULTS

REQUIREMENT		
TEST REQUESTED – CHEMICAL TESTS	CONCLUSION	REMARK
FORMALDEHYDE	PASS	-
HEAVY METALS	PASS	-
PHthalATES	PASS	-
ALKYLPHENOL ETHOXYLATES (APEO) AND ALKYLPHENOL (AP) CONTENT	-	SEE RESULTS ON PAGE 4

Note: NA = Not Applicable

NR = Not Requested



**TEST RESULT – CHEMICAL**

**FORMALDEHYDE**

**TEST METHOD:** ISO 14184-1 (Textile)

**TEST ITEM(S) :** 1. WHITE PASTE

Test Item(s)	Result (mg/kg)	Conclusion	Limit (mg/kg)
1	ND	PASS	Adult: 75 / Kid: 20

Note: mg/kg = milligram per kilogram  
 Detection Limit: 5 mg/kg

"<" = less than  
 ND = not detected

">" = more than

**HEAVY METALS**

**TEST METHOD:** Nike In House Method  
 total metal content by microwave digestion and ICP or AAS analysis

**TEST ITEM(S) :** 1. WHITE PASTE

Parameter	Result (mg/kg)	Limit (mg/kg)
	1	
Cadmium (Cd)	ND	50
Chromium (Cr)	ND	3 Information Only (Screening test for Cr(VI) test)
Lead (Pb)	ND	90
Nickel (Ni)	ND	Information Only No RSL Requirement
Mercury (Hg)	0.184	1
Tin (Sn)	ND	0.1 Information Only (Screening test for organotins test)
<b>Conclusion</b>	<b>PASS</b>	

Note: mg/kg = milligram per kilogram ND = not detected "<" = less than  
 Detection Limit (mg/kg): Cd (25), Cr (3), Pb (50), Ni (1), Hg (0.01), Sn (0.1)

">" = more than

**PHTHALATES**

**TEST METHOD:** Nike in-house method: LC-DAD and LC-MS

**TEST ITEM(S) :** 1. WHITE PASTE

Test Item(s)	Result		Conclusion	Limit (mg/kg)
	Detected Analyte(s)	Conc. (mg/kg)		
1	DINP	Sum: 106	PASS	Kid: Sum <500

Note: mg/kg = milligram per kilogram  
 Detection Limit: Each 50mg/kg

"<" = less than  
 ND = not detected

">" = more than



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### TEST RESULT – CHEMICAL

#### ALKYLPHENOL ETHOXYLATES (APEO) AND ALKYLPHENOL (AP) CONTENT

Parameter	Unit	Result
		1
Nonylphenol ethoxylates (NPEO)	%	<0.01
Octylphenol ethoxylates (OPEO)	%	<0.01
Nonylphenol (NP)	%	<0.001
Octylphenol (OP)	%	<0.001

Test Item 1: WHITE PASTE

Note: “<” = less than

Method: Sample was extracted with organic solvent and then analysed by Liquid Chromatograph Mass Spectrometer/ Gas Chromatograph Mass Spectrometer.

#### List of tested customers parameters

<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	4	Di-n-octyl phthalate (DNOP)	117-84-0
2	Dibutyl phthalate (DBP)	84-74-2	5	Di-iso-nonyl phthalate (DINP)	28553-12-0
3	Di-2-ethylhexyl phthalate (DEHP)	117-81-7	6	Di-iso-decyl phthalate (DIDP)	26761-40-0

- END -