



# TEST REPORT

**Technical Report:** (6620)104-0853

April 16, 2020

Date Received: April 13, 2020

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Lin bingzeng

**ZHEJIANG GOODSUN SYNTHETIC LEATHER CO LTD**

No.11 YONGQIANG ROAD, YIHUAYUAN DISTRICT, DUQIAO TOWN, LINHAI CITY, ZHEJIANG

**Product Name:** /  
**Product End Use:** Dresses  
**Color Name / Article Number:** /  
**Color Code:** 09-090  
**Supplier:** ZHEJIANG GOODSUN SYNTHETIC LEATHER CO LTD  
**H&M Order No.:** 193501-7812  
**H&M Sample Type:** Finished Product  
**Age Group:** Adult  
**H&M Sample Stage:** P/S (Production sample)  
**H&M Product Category:** Woven  
**Date of Testing:** April 13, 2020 - April 16, 2020  
**Number of Working Days:** 3  
**Priority:** Regular  
**Speed Order:** No  
**No. of sample provided:** /

## SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
Alkylphenols (AP) Content Test	PASS	-
Formaldehyde Content Test	PASS	-
Dimethylformamide (DMF) Content Test	PASS	-
pH Value Test in Textile and Artificial Leather	PASS	-
Alkylphenol Ethoxylates (APEO) Content Test	PASS	-

HML



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**REMARK**

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

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Technical enquiry-Chemical	Mr. Roland Xue (021) 24081906 Roland.Xue@bureauveritas.com

**BUREAU VERITAS**  
**CONSUMER PRODUCTS SERVICES DIVISION (SHANGHAI)**

PREPARED

BY :           Daisy          

**Helen Zhang**  
**Program Specialist-checker**



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**Photo of the Submitted Sample**



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## **TEST RESULT**

### **Alkylphenols (AP) Content Test**

**Test Method I** : For Textile & Leather:  
EN ISO 21084

**Test Method II** : For Polymers and other materials:  
Organic solvent extraction, analysis with reference to EN ISO 21084.

**Tested Item(s)** : A0          Black fake leather with base fabric

<b>Maximum Limit:</b>	<b>100 mg/kg (sum)</b>
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<b>Tested Item(s)</b>	<b>Test Method</b>	<b>Result</b>			<b>Conclusion</b>
		<b>Detected Analyte(s)</b>	<b>Conc.</b>	<b>Unit</b>	
A0	I	ND	ND	mg/kg	PASS

Note:

ND = Not detected

">" = More than

Conc. = Concentration

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

Reporting Limit (mg/kg) : Sum (OP & NP) : 10

Remark:

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





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## TEST RESULT

### Dimethylformamide (DMF) Content Test

**Test Method** : ISO/TS 16189:2013.

**Tested Item(s)** : A0 Black fake leather with base fabric

<b>Maximum Limit:</b>	<b>Conventional PU: 500 mg/kg</b> <b>DMFa-free PU material / betterPU: 5 mg/kg</b>
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<b>Tested Item(s)</b>	<b>Result</b>	<b>Unit</b>	<b>Conclusion</b>
A0	ND	mg/kg	PASS

Note:

ND = Not detected

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

Reporting Limit (mg/kg) : 5

“>” = More than

mg/kg = milligram(s) per kilogram



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## TEST RESULT

### pH Value Test in Textile and Artificial Leather

**Test Method I** : ISO 3071, extraction with potassium chloride solution.

**Tested Item(s)** : A0 Black fake leather with base fabric

<b>Maximum Allowable Limit</b>	<b>pH 4.0- pH 7.5</b>
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<b>Parameter</b>	<b>Unit</b>	<b>Result</b>		
-	-	A0	-	-
pH (Trial 1)	-	6.4	-	-
pH (Trial 2)	-	6.5	-	-
pH (Trial 3)	-	6.5	-	-
Mean of Trial 2 and 3	-	6.5	-	-
<b>Conclusion</b>	-	PASS	-	-

Note:

ND = Not detected

">" = More than





**APPENDIX**

<b>List of Alkylphenols :</b>					
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Octylphenol (OP)	Various (140-66-9, 27193-28-8, 1806-26-4)	2	Nonylphenol (NP)	Various (25154-52-3, 104-40-5, 84852-15-3, 11066-49-2)
CAS-No. = Chemical Abstracts Service registry number					

<b>List of Alkylphenol Ethoxylates :</b>					
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Octylphenoethoxylates (OPEOs)	Various (9002-93-1, 9036-19-5, 68987-90-6)	2	Nonylphenoethoxylates (NPEOs)	Various (9016-45-9, 26027-38-3, 127087-87-0, 37205-87-1, 68412-54-4)
CAS-No. = Chemical Abstracts Service registry number					

**Photograph(s) depicting Test Item(s) in Formaldehyde:**



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