



# TEST REPORT



**LAB LOCATION:**TURKEY  
**LAB NO. :** 593895(REV)(TR)  
**SERVICE TYPE:** Regular  
**DATE IN:** June 17<sup>th</sup>, 2010  
**DATE OUT:** June 22<sup>nd</sup>, 2010  
**REV.DATE:** July 02<sup>nd</sup>, 2010  
**NUMBER OF WORKING DAYS:** 4.0

**MATERIAL SUBMITTED** : RENK YOLU KIMYA SAN. ve TIC. LTD.  
(Attn: Aynur Suleymanoglu)

**BUYER** : /

**SUPPLIER REFERENCE** : HPW F15 Flock Adhesive

**SAMPLE DESCRIPTION** : Raw Fabric W/Print  
(Claimed Fiber Content: /)  
(Claimed Fabric Weight: /)

**COLOUR** : Print: Transparent

**SUBMITTED CARE  
INSTRUCTION** : /

**REASON FOR REVISION** : Supplier reference has been changed upon vendor's request.

## SUMMARY OF TEST RESULTS

TEST REQUIRED	PASS	FAIL	
Total Metal (Lead, Mercury, Cadmium)			See Result in Page 2
APEO			See Result in Page 2
Phthalates*			See Result in Page 2
PVC			See Result in Page 2
Formaldehyde*			See Result in Page 2
<b>* UKAS Accredited- See Appendix A</b>			

**Remark 1:** The test methods used are based on vendor's submitted test methods.  
**Bureau Veritas Consumer Products Services (Turkey) Ltd.**

**Gulderen Zabun**  
**Key Account Manager**

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**REMARK:**

2. \*= The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95%. Unless otherwise is specified, the uncertainty of measurement has not been taken into account when assessing pass/fail of the sample against the requirements of the standard. In case consideration of measurement uncertainties when assessing pass/ fail limits, some results may be in borderline. Information on uncertainty is contained in appendix A on this report

Parameter* [unit]	Standard / Method	Limits	Result
Nonylphenoethoxylates, NPEO(mg/kg)	Textiles/leather: Methanol extraction followed by LC-MS; Plastics/prints: THF/ACN extraction followed by LC-MS; Detection limit: 50 mg/kg	/	n.d.
Octylphenoethoxylates, OPEO (mg/kg)	Textiles/leather: Methanol extraction followed by LC-MS; Plastics/prints: THF/ACN extraction followed by LC-MS; Detection limit: 50 mg/kg	/	n.d.
PVC	Burning test by Beilsteins test	/	No PVC
Formaldehyde [mg/kg]-	ISO 14184-1; Acetylaceton method / similar to Japanese method Law 112; reporting limit: 16 mg/kg	/	<16
Total content of o-phthalatic esters [mg/kg]	BVCPS inhouse method / extraction with THF/ACN followed by GC-MS or LC-MS analysis.	/	n.d.
Pb (ppm)	Total metal content by microware digestion with HNO <sub>3</sub> / H <sub>2</sub> O <sub>2</sub> and ICP-MS analysis	/	<10
Cadmium	Total metal content by microware digestion with HNO <sub>3</sub> / H <sub>2</sub> O <sub>2</sub> and ICP-MS analysis	/	<10
Mercury	Total metal content by microware digestion with HNO <sub>3</sub> / H <sub>2</sub> O <sub>2</sub> and ICP-MS analysis	/	<0.5

n.d. : Not Detected



**\*List of tested compounds**

**Total content of o-phthalatic esters**

Name	CAS-Nr.
Dimethylphthalat	[131-11-3]
Diethylphthalat	[84-66-2]
Dipropylphthalat	[131-16-8]
Di-iso-butylphthalat	[84-69-5]
Di-n-butylphthalat	[84-74-2]
Dipentylphthalat	[131-18-0]
Dihexylphthalat	[84-75-39]
Benzylbutylphthalat	[85-68-7]
Dicyclohexylphthalat	[84-61-7]
Dinonylphthalat	[84-76-4]
Di-(2-ethylhexyl)phthalat	[117-81-7]
Di-n-octylphthalat	[117-84-0]
Diisooctylphthalat	[27554-26-3]
Diisononylphthalat	[28553-12-0] und [ 68515-48-0]
Diisodecylphthalat	[26761-40-0] und [68515-49-1]

TEST NAME	STANDARD NAME	MEASUREMENT UNCERTAINTY
Phthalates	In-house test method CPSD-AN-00095-MTHD	±0.14 x result
Formaldehyde	BS EN ISO 14184-1:1999	± %8

**END OF REPORT**