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APRIL 14, 2011

**IDENTIFICATION SUBMITTED BY CLIENT**

DESCRIPTION : CONDUCTIVE TEXTILE  
STYLE # : RS FABRIC #3  
COLORS : GRAY  
FABRIC WEIGHT : 150 GSM  
FIBER CONTENT : FACE – COTTON, BACK – SILVER FIBER  
CARE INSTRUCTIONS : MACHINE WASH COLD, AIR DRY





Report No.: WOAHO0021172-1  
REVISED DATE: APRIL 20, 2011

**TEST RESULTS**

**FORMALDEHYDE**  
(SPOT TEST)

NEGATIVE

**NICKEL CONTENT**  
INTERTEK METHOD 443

NEGATIVE



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**Detection Of Amines In Dyestuff**

BY GAS CHROMATOGRAPHIC – MASS SPECTROMETRIC (GC-MS) AND HIGH PERFORMANCE LIQUID CHROMATOGRAPHIC (HPLC) ANALYSIS.

TEST METHOD: TEXTILE METHOD (EN 14362-1 : 2003)  
POLYESTER METHOD (EN 14362-2 : 2003)

<u>FORBIDDEN AMINE</u>	<u>CAS NO</u>	<u>RESULT</u>	
		<u>TEXTILE</u>	<u>POLYESTER</u>
4-AMINODIPHENYL BENZIDINE	92-67-1	ND	ND
4-CHLORO-O-TOLUIDINE	92-87-5	ND	ND
2-NAPHTHYLAMINE	95-69-2	ND	ND
O-AMINOAZOTOLUENE	91-59-8	ND	ND
2-AMINO-4-NITROTOLUENE	97-56-3	ND	ND
P-CHLOROANILINE	99-55-8	ND	ND
2,4-DIAMINOANISOLE	106-47-8	ND	ND
4,4'-DIAMINODIPHENYLMETHANE	615-05-4	ND	ND
3,3'-DICHLOROBENZIDINE	101-77-9	ND	ND
3,3'-DIMETHOXYBENZIDINE	91-94-1	ND	ND
3,3'-DIMETHYLBENZIDINE	119-90-4	ND	ND
3,3'-DIMETHYL-4,4' DIAMINODIPHENYLMETHANE	119-93-7	ND	ND
P-CRESIDINE	838-88-0	ND	ND
4,4'METHYLENE-BIS-(2-CHLOROANILINE)	120-71-8	ND	ND
4,4'OXYDIANILINE	101-14-4	ND	ND
4,4'THIODIANILINE	101-80-4	ND	ND
O-TOLUIDINE	139-65-1	ND	ND
2,4-TOLYULENDIAMINE	95-53-4	ND	ND
2,4,5-TRIMETHYLANILINE	95-80-7	ND	ND
O-ANISIDINE	137-17-7	ND	ND
P-AMINOAZOBENZENE	90-04-0	ND	ND
SUMMARY: PRESENCE OF CARCINOGENIC AMINES	60-09-3	ND	ND

REMARK: N = NOT DETECTED (LESS THAN 20 PPM)  
DETECTION LIMIT = 5 PPM  
REQUIREMENT = 30 PPM (MAX.)  
PPM = PARTS PER MILLION = mg/kg

<u>COMPONENT #</u>	<u>TESTED SAMPLE/ COMPONENT DESCRIPTION</u>
1	Gray Fabric

**Conclusion:** when tested as specified, the submitted sample **DOES COMPLY** with the requirements for european council directive 2002/61/ec relating to restrictions on the marketing and use of certain dangerous substances and preparations (azocolourants)

**16 CFR 1610 WEARING APPAREL FLAMMABILITY**

Based on the information provided by the client regarding the sample's

**FABRIC WEIGHT; 4.92 OZ/YD<sup>2</sup>**

this sample is deemed exempt from flammability testing in accordance with 16 CFR 1610.37(3)(d) and which states:

Exemption. Experience gained from years of testing in accordance with the Standard demonstrates that certain fabrics consistently yield acceptable results when tested in accordance with the Standard. Therefore, persons and firms issuing an initial guaranty of any of the following types of fabrics, or of products made entirely from one or more of these fabrics, are exempt from any requirement for testing to support quarantines of those fabrics.

1. Plain surface fabrics, regardless of fiber content, weighing 2.6 ounces per square yard or more; and
2. All fabrics both plain surface and raised-fiber surface, regardless of weight, made entirely from any of the following fibers or entirely from combination of the following fibers: acrylic, modacrylic, nylon, olefin, polyester, wool.

For applying the weight exemption a more conservative weight criteria of 3.0 oz/sq yd for plain surface fabrics was used for applying the exemption statement for the above sample.



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**Chemical Analysis:** EN71 Part III: 1994 Migration of Certain Elements

Coating paints, Varnishes, Lacquers, Printing inks, Plastic, Paper, Wood, Crayons, Modeling Clay, Finger Paints, Glass / Ceramics

**Procedure:** A test portion is mixed with 50 times its mass of an aqueous solution of 0.07N HCl. Check pH if greater than 1.5 adjust to a pH 1.5 or less with 2.0N HCl. Protect from light. Agitate the mixture for 1 hour at a temperature of  $37 \pm 2^\circ\text{C}$ . Allow the mixture to stand for 1 hour at  $37 \pm 2^\circ\text{C}$ . Centrifuge or filter the mixture and examine the resulting solution to determine the presence and quantity of the appropriate elements specified below. Analysis is performed by using ICAP Emission Spectroscopy.

**Sample Utilized:** Substrate

**Test Results:**

Element	Max Limit (mg/kg)	Results Soluble mg/kg
		Component 1
Antimony	60	<2
Arsenic	25	<2
Barium	1000	2.4
Cadmium	75	<2
Chromium	60	<2
Lead	90	<2
Mercury	60	<5
Selenium	500	<2

Component Number	Component Description
1	Fabric

**Remark:**

# = Test portion is between 10 mg to 100 mg and the quantities of the appropriate elements are calculated as if 100 mg of the test portion has been used.

**Conclusion:** When tested as specified, the submitted sample **does comply** with the requirements of **EN71 Part III: 1994**.



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Revision Remark:	
Date	Reason
04/20/2011	Revised Report to Include Results For Heavy Metals.

IF YOU NEED ASSISTANCE IN INTERPRETING THESE TESTS RESULTS  
OR IF YOU HAVE ANY QUESTIONS, PLEASE FEEL FREE TO CALL:  
CUSTOMER SERVICE DEPARTMENT.

INTERTEK CONSUMER GOODS

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