Report No.: WOAH00021172-1
REVISED DATE: APRIL 20, 2011

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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

545 E Algonquin Road, Suite F, Arlington Heights, IL 60005 U.S.A Telephone: (847) 871-1020 Fax: (847) 439-6156

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)

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

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

COMPONENT #	TESTED SAMPLE/ COMPONENT DESCRIPTION
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)

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16 CFR 1610 WEARING APPAREL FLAMMABILITY

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

FABRIC WEIGHT; 4.92 OZ/YD^2

this sample is deemed exempt from flammability testing in accordance with 16 CRF 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 form 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 ± 2°C. Allow the mixture to stand for 1 hour at 37°± 2°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:

		Results Soluble mg/kg
		Component 1
Element	**Max Limit (mg/kg)**	
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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