



**BUREAU
VERITAS**

TEST REPORT

Technical Report: (9318)003-0804

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January 10, 2018



Report Number
(9318)003-0804

**Bureau Veritas Consumer Products Services
(Guangzhou) Co., Ltd**
No. 183, Shinan Road, Meilin Plaza, Dongchong, Nansha,
Guangzhou, Guangdong Province, China 511453
Tel: (86) 20 2290 2088 Fax: (86) 20 3490 9303
Email: BVCPS_pyinfo@cn.bureauveritas.com
Website: cps.bureauveritas.com

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**BUREAU
VERITAS**

TEST REPORT

**TO : SHEDRAIN CORPORATION
8303 NE KILLINGSWORTH STREET
PORTLAND, OR, 97220,
UNITED STATES**

LAB NO.: (9318)003-0804
FORM NO.: /
DATE IN: Jan 03, 2018
DATE OUT: Jan 10, 2018
NO. OF WORKING DAYS: 6
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ATTN : HONGMEI WOLF

<u>OVERALL RATING</u>	
PASS	_____
FAIL	_____ X _____
DATA	_____

Vendor:	/	Agent:	/
Fabric Supplier/Mill:	/	Factory/Manufacturer:	ML
P.O. No.:	1735599/1735600	Style No.:	8247A/8248
Sample Description:	UNISEX PACKABLE PONCHO	Style Description:	/
Color:	A: BLACK, B: ROYAL	Country of Origin:	/
Claimed Fabric Weight:	/	Claimed Fabric Count:	/
Yarn Size:	/	Submitted Size:	/
Size Range:	/	FPU No.:	/
GPU No.:	/	End Use:	/
SKU:	/	Age Group:	ADULT

Product Category	PONCHO
Test Requested	SEE TEST PROPERTY
Previous Report No.	/

Submitted Fiber Content	A : 100% POLYESTER B : 100% POLYESTER
Actual Fiber Content	A : 100% POLYESTER B : 100% POLYESTER
Suggested Fiber Content	A : 100% POLYESTER B : 100% POLYESTER
Submitted Care Instruction(s)	MACHINE WASH COLD WITH GENTLE CYCLE, MILD SOAP, ONLY NON-CHLORINE BLEACH WHEN NEEDED, TUMBLE DRY LOW, AND REMOVE PROMPTLY, COOL IRON IF NEEDED, DO NOT DRY CLEAN.

Client Expected Care Instruction	/
Suggested Care Instruction(s)	MACHINE WASH COLD WITH GENTLE CYCLE, MILD SOAP, ONLY NON-CHLORINE BLEACH WHEN NEEDED, TUMBLE DRY LOW, AND REMOVE PROMPTLY, COOL IRON IF NEEDED, DO NOT DRY CLEAN.

TEST PROPERTY	PASS	FAIL	DATA	COMMENTS
LABELING REVIEW: RN# (REGISTERED NUMBER), WPL # OR MFR. NAME	X			
LABELING REVIEW: COUNTRY OF ORIGIN	X			
LABELING REVIEW: CARE	X			
WATER RESISTANCE: RAIN TEST	X			
QUICK METHODS FOR COLORFASTNESS TO NON-CHLORINE BLEACH			X	RECOMMENDED
QUICK METHODS FOR COLORFASTNESS TO CHLORINE BLEACH			X	NOT RECOMMENDED
COLORFASTNESS TO CROCKING	X			
DIMENSIONAL CHANGES OF GARMENTS AFTER HOME LAUNDERING	X			
DIMENSIONAL CHANGE ON DRYCLEANING IN PERCHLOROETHYLENE	X			
COLORFASTNESS TO DRYCLEAN		X		SEE RESULT
COLORFASTNESS TO ACTUAL LAUNDERING	X			
APPEARANCE AFTER CARE		X		SEE RESULT
LABELING REVIEW: FIBER	X			
FIBER ANALYSIS: QUANTITATIVE	X			
FLAMMABILITY OF CLOTHING TEXTILES	X			
TOTAL LEAD CALIFORNIA PROP. 65	X			
PHTHALATES CALIFORNIA PROP. 65	X			

TECHNICAL QUESTIONS

(86)20-22902088

CPSCSEnquiry.PY@cn.bureauveritas.com

GENERAL INFORMATION

SIGNATURES

Bureau Veritas Consumer Products Services (Guangzhou) Co., Ltd



Joeie Tsang
General Manager

<u>TEST PROPERTY</u>	<u>TEST RESULTS</u>		<u>REQUIREMENTS</u>
<u>LABELING REVIEW: RN# (REGISTERED NUMBER), WPL # OR MFR. NAME</u> (16 CFR 303 / 16 CFR 300)			
A			
MUST BE VISIBLE AT POINT OF SALE. REPORT ACTUAL.			PROVIDED
B			
MUST BE VISIBLE AT POINT OF SALE. REPORT ACTUAL.			PROVIDED
<u>LABELING REVIEW: COUNTRY OF ORIGIN</u> (16 CFR 300/ 16 CFR 303/ 19 CFR 134)			
A			
			PROVIDED
B			
			PROVIDED
<u>LABELING REVIEW: CARE</u> (16 CFR 423)			
A			
			PROVIDED AND COMPLY
B			
			PROVIDED AND COMPLY
<u>WATER RESISTANCE: RAIN TEST</u> (AATCC 35-13, 600MM PRESSURE @ 5 MINS)			
	A	B	
AS RECEIVED (G.)	< 0.1	< 0.1	< 1.0 G.
<u>QUICK METHODS FOR COLORFASTNESS TO NON-CHLORINE BLEACH</u> (AATCC/ ASTM TS-001)			
	A	B	
COLOR CHANGE (PEROXIDE)	4.5	4.5	MIN. GRADE 4.0
COLOR CHANGE (PERBORATE)	4.5	4.5	MIN. GRADE 4.0
<u>QUICK METHODS FOR COLORFASTNESS TO CHLORINE BLEACH</u> (AATCC/ ASTM TS-001)			
	A	B	
COLOR CHANGE	1.0	1.0	MIN. GRADE 4.0
<u>COLORFASTNESS TO CROCKING</u> (AATCC 8-16)			
	A	B	
DRY (COLOR STAIN)	4.5	4.5	MIN. GRADE 3.5
WET (COLOR STAIN)	4.5	4.5	MIN. GRADE 2.5

TEST RESULTS

TEST PROPERTY

REQUIREMENTS

DIMENSIONAL CHANGES OF GARMENTS AFTER HOME LAUNDERING(AATCC 150- 12) -3.0 TO +1.0 %

A

MODIFIED, TIDE, 3 WASHES, 3 DRY, GENTLE CYCLE, AT 27 DEGREE CELSIUS (80 FAHRENHEIT TEMP), TUMBLE DRY LOW, 4-LBS LOAD

	ORIGINAL (IN.)	AFTER WASHED (IN.)	SHRINKAGE (%)
BODY WIDTH	56.81	56.75	-0.1
TOTAL LENGTH	45.5	45.19	-0.7
HEAD OPENING	21.88	21.75	-0.6
HOOD LENGTH	14.06	14.0	-0.4
HOOD WIDTH	10.19	10.12	-0.7

B

MODIFIED, TIDE, 3 WASHES, 3 DRY, GENTLE CYCLE, AT 27 DEGREE CELSIUS (80 FAHRENHEIT TEMP), TUMBLE DRY LOW, 4-LBS LOAD

	ORIGINAL (IN.)	AFTER WASHED (IN.)	SHRINKAGE (%)
BODY WIDTH	56.62	56.5	-0.2
TOTAL LENGTH	45.44	45.25	-0.4
HEAD OPENING	20.62	20.5	-0.6
HOOD LENGTH	13.62	13.62	0.0
HOOD WIDTH	9.81	9.81	0.0

(+) DENOTES ELONGATION

(-) SHRINKAGE

DIMENSIONAL CHANGE ON DRYCLEANING IN PERCHLOROETHYLENE(AATCC 158:2016) -2.0 TO +1.0 %

A

COMMERCIAL DRYCLEAN, AFTER 1 CYCLE

GARMENT	ORIGINAL (IN.)	AFTER DRYCLEANING (IN.)	SHRINKAGE (%)
BODY WIDTH	56.50	56.38	-0.2
TOTAL LENGTH	45.38	45.12	-0.6
HEAD OPENING	21.50	21.50	0.0
HOOD LENGTH	13.88	13.81	-0.5
HOOD WIDTH	10.19	10.19	0.0

B

COMMERCIAL DRYCLEAN, AFTER 1 CYCLE

GARMENT	ORIGINAL (IN.)	AFTER DRYCLEANING (IN.)	SHRINKAGE (%)
BODY WIDTH	56.44	56.12	-0.6
TOTAL LENGTH	45.38	45.00	-0.8
HEAD OPENING	21.50	21.50	0.0
HOOD LENGTH	13.94	13.94	0.0
HOOD WIDTH	10.06	10.06	0.0

(+) DENOTES ELONGATION

(-) SHRINKAGE

TEST RESULTS

<u>TEST PROPERTY</u>			<u>REQUIREMENTS</u>
<u>COLORFASTNESS TO DRYCLEAN</u> (AATCC 158-16 MODIFIED, 1 CYCLE)			
	A	B	
COLOR CHANGE	FACE: 4.0, BACKER: 2.5*	FACE: 4.0, BACKER: 2.5*	MIN. CLASS 3.5
SELF - STAINING	4.5	4.5	MIN. CLASS 4.5
<u>COLOR STAIN ON</u>			
ACETATE	4.5	4.5	/
COTTON	4.5	4.5	/
NYLON	4.5	4.5	/
POLYESTER	4.5	4.5	/
ACRYLIC	4.5	4.5	/
WOOL	4.5	4.5	/

COLORFASTNESS TO ACTUAL LAUNDERING(AS PER CARE INSTRUCTION)

	A	B	
COLOR CHANGE	4.0	4.0	MIN. CLASS 3.5
SELF - STAINING	4.5	4.5	MIN. CLASS 4.5
<u>COLOR STAIN ON</u>			
ACETATE	4.5	4.5	MIN. CLASS 3.0
COTTON	4.5	4.5	MIN. CLASS 3.0
POLYESTER	4.5	4.5	MIN. CLASS 3.0
NYLON	4.5	4.5	MIN. CLASS 3.0
ACRYLIC	4.5	4.5	MIN. CLASS 3.0
WOOL	4.5	4.5	MIN. CLASS 3.0

APPEARANCE AFTER CARE(CPSD-SL-31055-MTHD)

A

SUBJECTIVE, MACHINE WASH COLD, GENTLE CYCLE, TUMBLE DRY LOW, AFTER 3 WASHES

COLOR CHANGE	4.0	MIN. GRADE 3.5
SELF - STAINING	4.5	MIN. GRADE 4.5
PILLING	SATISFACTORY	SATISFACTORY
SEAM PUCKERING	SATISFACTORY	SATISFACTORY
ANY OBSERVED	SATISFACTORY (COOL IRON: SAFE)	SATISFACTORY

DEFECTS

SUBJECTIVE, COMMERCIAL DRYCLEAN, AFTER 1 CYCLE

COLOR CHANGE	FACE: 4.0, BACKER: 2.5*	MIN. GRADE 3.5
SELF - STAINING	4.5	MIN. GRADE 4.5
PILLING	SATISFACTORY	SATISFACTORY
SEAM PUCKERING	SATISFACTORY	SATISFACTORY
ANY OBSERVED	UNSATISFACTORY WITH DELAMINATION AND NOTICEABLE	SATISFACTORY
DEFECTS	COLOR CHANGE AND BREAKAGE ON BACKER*	

B

SUBJECTIVE, MACHINE WASH COLD, GENTLE CYCLE, TUMBLE DRY LOW, AFTER 3 WASHES

COLOR CHANGE	4.0	MIN. GRADE 3.5
SELF - STAINING	4.5	MIN. GRADE 4.5
PILLING	SATISFACTORY	SATISFACTORY
SEAM PUCKERING	SATISFACTORY	SATISFACTORY
ANY OBSERVED	SATISFACTORY (COOL IRON: SAFE)	SATISFACTORY

DEFECTS

SUBJECTIVE, COMMERCIAL DRYCLEAN, AFTER 1 CYCLE

<u>TEST PROPERTY</u>	<u>TEST RESULTS</u>	<u>REQUIREMENTS</u>
COLOR CHANGE	FACE: 4.0, BACKER: 2.5*	MIN. GRADE 3.5
SELF - STAINING	4.5	MIN. GRADE 4.5
PILLING	SATISFACTORY	SATISFACTORY
SEAM PUCKERING	SATISFACTORY	SATISFACTORY
ANY OBSERVED DEFECTS	UNSATISFACTORY WITH DELAMINATION AND NOTICEABLE COLOR CHANGE AND BREAKAGE ON BACKER*	SATISFACTORY

LABELING REVIEW: FIBER (16 CFR 300/303)

A

REPORT ACTUAL LABEL TEXT IN "TEST RESULTS" COLUMN. MUST BE IN ENGLISH AND FRENCH. MUST MATCH FIBER ANALYSIS RESULTS FROM PRODUCTION FABRIC & TRIM. PROVIDED

B

REPORT ACTUAL LABEL TEXT IN "TEST RESULTS" COLUMN. MUST BE IN ENGLISH AND FRENCH. MUST MATCH FIBER ANALYSIS RESULTS FROM PRODUCTION FABRIC & TRIM. PROVIDED

FIBER ANALYSIS: QUANTITATIVE (AATCC 20A-14)

A

SUBMITTED	100% POLYESTER	
LAB ANALYSIS	100% POLYESTER	NO TOLERANCE
REMARKS: THE LABELED FIBER CONTENT FOR THE SUBMITTED SAMPLE IS RECOMMENDED AS	100% POLYESTER	

B

SUBMITTED	100% POLYESTER	
LAB ANALYSIS	100% POLYESTER	NO TOLERANCE
REMARKS: THE LABELED FIBER CONTENT FOR THE SUBMITTED SAMPLE IS RECOMMENDED AS	100% POLYESTER	

<u>TEST PROPERTY</u>	<u>TEST RESULTS</u>	<u>REQUIREMENTS</u>
<u>FLAMMABILITY OF CLOTHING TEXTILES</u> (16 CFR 1610) A	IF SAMPLE FALLS UNDER SPECIFIC EXEMPTIONS AS LISTED BELOW, THE REPORT SHOULD BE RATED AS A PASS AND THE SPECIFIC EXEMPTION SHOULD BE NOTED IN THE REPORT. EXEMPT DUE TO FABRIC WEIGHT: PLAIN SURFACE WITH >2.6 OZ/SQ. YD. THE SUBMITTED SAMPLE(S) IS(ARE) EXEMPT FROM FLAMMABILITY TESTING IN ACCORDANCE WITH 16 CFR 1610.1(D) WHICH STATES: SPECIFIC EXEMPTIONS 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 GUARANTIES 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.	CLASS 1

TEST RESULTS

TEST PROPERTY

REQUIREMENTS

B
CLASSIFICATION IF SAMPLE FALLS UNDER SPECIFIC EXEMPTIONS AS LISTED BELOW, THE REPORT SHOULD BE RATED AS A PASS AND THE SPECIFIC EXEMPTION SHOULD BE NOTED IN THE REPORT. CLASS 1

EXEMPT DUE TO FABRIC WEIGHT: PLAIN SURFACE WITH >2.6 OZ/SQ. YD.

THE SUBMITTED SAMPLE(S) IS(ARE) EXEMPT FROM FLAMMABILITY TESTING IN ACCORDANCE WITH 16 CFR 1610.1(D) WHICH STATES:

SPECIFIC EXEMPTIONS

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 GUARANTIES 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.

TOTAL LEAD CALIFORNIA PROP. 65 (EPA 3050B / EPA 3051 MODIFIED / EPA 3052 MODIFIED / AOAC 974.02 MODIFIED)

TOTAL LEAD (Pb) (PPM)	A1:LIGHT GREY PLASTIC (LINING): <10	MAX. 30.0 PPM
	A2:BLACK PLASTIC (WHOLE BUCKLE OF ALL SAMPLE): <10	
	A3:BLACK PLASTIC (ZIPPER TEETH/ TOP STOP/ ZIPPER BOTTOM STOP OF ALL SAMPLE): <10	
	B1:LIGHT BLUE PLASTIC (LINING): <10	

PHthalATES CALIFORNIA PROP. 65 (IN HOUSE METHOD)

A1:LIGHT GREY PLASTIC (LINING)+ B1:LIGHT BLUE PLASTIC (LINING)		
DEHP (PPM)	<50	MAX 1000 PPM
DBP (PPM)	<50	MAX 1000 PPM
BBP (PPM)	<50	MAX 1000 PPM

COLORFASTNESS RATING
COLOR CHANGE

- 5 NEGLIGIBLE OR NO CHANGE
- 4 SLIGHTLY CHANGED
- 3 NOTICEABLY CHANGED
- 2 CONSIDERABLY CHANGED
- 1 MUCH CHANGED

COLORFASTNESS RATING
COLOR STAIN

- SELF STAINING**
- 5 NEGLIGIBLE OR NO STAINING
 - 4 SLIGHTLY STAINED
 - 3 NOTICEABLY STAINED
 - 2 CONSIDERABLY STAINED
 - 1 HEAVILY STAINED