

TEST REPORT

Applicant: Source Substrates LLC
2120 Noisette Blvd, Suite 109
N. Charleston, SC 29405
Attention: Jackson Burnett
E-Mail: Jackson@vaporapparel.com

Product Name : Baby Bib
Destination Country : US
Age Grading : Children (12 And Under)
Sample received date : June 25, 2015
Date of testing ended : August 11, 2015

OVERALL CONCLUSION:

<u>Standard</u>	<u>Result</u>
1. 16 CFR 1500.48/1500.49/1501- Complete Physical & Mechanical Testing (CPSIA)	1. Does Meet
2. CPSIA Title 1, Section 101 – Total Lead in Substrates	2. Does Comply
3. CA Prop 65: 5 Phthalates in Child Care Articles – BG-350969	3. Does Comply
4. 16 CFR 1610 – Flammability of Clothing Textiles	4. Exempt
5. pH of the Water-Extract From from Wet Processed Textiles – AATCC 81	5. See Enclosed Result
6. Colorfastness to Saliva – DIN 53160-1	6. See Enclosed Result



For and on behalf of
Intertek Products Group North America:



Migdalia Delgado
Operations Manager
Toys and Hardlines Testing Laboratories
Intertek North America
545 E Algonquin Road, Suite F
Arlington Heights, IL 60005
Telephone: 847-871-1020



TEST RESULTS:

1. Mechanical Hazards: Sharp Point, Sharp Edge and Small Parts

Procedure: The submitted samples were tested for 16 CFR 1500.48 Sharp Point, 16 CFR 1500.49 Sharp Edges and 16 CFR 1501 Small Parts before and after simulated use & abuse tests as set forth in 16 CFR 1500.50.

Labeled Age Group*: No Age Grading

Applicant's Specified Age Group for Testing*: 12 and under

Use and Abuse conditioning per: 16 CFR 1500.51-53

**If no age grading was specified on toy or packaging or by applicant, the sample was subjected to the most stringent abuse test conditions*

Test Results:

Use/Abuse Tests	Sections	Sharp Point (16 CFR 1500.48)	Sharp Edge (16 CFR 1500.49)	Small Parts (16 CFR 1501)
As Received		P	NA	NA
After Use and Abuse Conditioning				
Impact	1500.51 (b)	P	NA	NA
Bite	1500.53 (c)	NA	NA	NA
Flexure	1500.53 (d)	NA	NA	NA
Torque	1500.53 (e)	P	NA	NA
Tension ¹	1500.53 (f)	P	NA	NA
Compression	1500.53 (g)	NA	NA	NA

P = Pass F = Failed NA = Not Applicable

¹Tension test applied to the same samples tested under torque

Conclusion: When tested as specified, the submitted sample (s) **does meet** the requirements of U.S. Federal Hazardous Substances Act sections 16 CFR 1500.48 for Sharp points, 16 CFR 1500.49 for Sharp edges, and 16 CFR 1501 for Small Parts.

2. Consumer Product Safety Improvement Act, Section 101 Total Lead in Substrates

Test Method: CPSC-CH-E1002-08.3 (Non-Metal), Composite

Requirement: All accessible substrates shall not contain lead in excess of 100 ppm or 0.01% by weight.

For composite testing, a “safety factor” of 80% is applied, as suggested by the CPSC. Applying the “safety factor, reduces the lead limit from 100 ppm to 80 ppm.

Test Results:

Component Number	Composite Result (ppm)	Potential result per individual component (ppm)	Limit with safety factor (ppm)
1a	<20	<60.4	80
1b		<59.9	80
1c		<59.7	80

Component Number	Component Description
1a	Burp Cloth with CMYK ink and Pretreatment
1b	Care label
1c	Factory code label

Conclusion: When tested as specified, the submitted sample(s) **does comply** with the **CPSIA Section 101 requirements for lead in substrates**.

Consumer Product Safety Improvement Act, Section 101 Total Lead in Substrates

Test Method: CPSC-CH-E1002-08.3 (Non-Metal)

Requirement: The total lead content of all accessible substrates shall not exceed 0.01% by weight or 100 ppm

Test Results:

Component Number	Result (ppm)	Limit (ppm)
1	<20	100
2	<20	100

Component Number	Component Description
1	Velcro Hooks
2	White Fabric

Conclusion: When tested as specified, the submitted sample **does comply** with the requirements set forth in the **Consumer Product Safety Improvement Act of 2008**, Section 101 for total lead content in substrates.

3. Chemical Analysis: California Proposition 65 Phthalates in Toys (BG-350969)

- Composite

Test Method: Solvent digestion followed by GC/MS analysis

Requirements:

<u>Restricted phthalates</u>	<u>Limits</u>
DBP, DEHP, BBP, DIDP, DnHP	<0.1% each
(DINP is FYI only)	==

For composite testing, a “safety factor” of 80% is applied. Applying the “safety factor” reduces the phthalate limit from 0.1% (or 1000 ppm) to 0.08% (or 800 ppm).

Test Results:

Unit: %

Results		1(a)	1(b)	1(c)
Restricted Chemicals				
DEHP	Results	<0.005		
BBP	Results	<0.005		
DBP	Results	<0.005		
DIDP	Results	<0.005		
DnHP	Results	<0.005		
DINP***	Results	<0.005		

Component Number	Component Description
1(a)	Baby Bib with CMYK Ink and Pretreatment
1(b)	Care label
1(c)	Factory code label

Conclusion: The submitted sample **does comply** with the acceptable limits of the California Proposition 65 court case settlement **BG-350969 for phthalates in toys and child care articles**.

Chemical Analysis: California Proposition 65 Phthalates in Toys (BG-350969)

Test Method: Solvent digestion followed by GC/MS analysis

Requirements: All accessible components of a product shall have less than 1000 ppm each of DEHP, DBP, BBP, DIDP and DnHP

Test Results:

Regulated Phthalates	Result (ppm)		Limit (ppm)
	1	2	
Dibutyl Phthalate (DBP)	<50	<50	1000
Butyl Benzyl Phthalate (BBP)	<50	<50	1000
Diethyl Hexyl Phthalate (DEHP)	<50	<50	1000
Diisodecyl Phthalate (DIDP)	<50	<50	1000
Di-n-hexyl Phthalate (DnHP)	<50	<50	1000
Diisononyl Phthalate (DINP)**	<50	<50	--

Component Number	Component Description
1	Velcro Hooks
2	White Fabric

Conclusion: The submitted sample **does comply** with the acceptable limits of the California Proposition 65 court case settlement **BG-350969 for phthalates in toys and child care articles**.

4. 16 CFR 1610 WEARING APPAREL FLAMMABILITY

Based on the **Fiber Content** for the sample Baby Bib: **100% Polyester**

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.

5. PH VALUE

AATCC 81

Result 5.2

6. COLORFASTNESS TO ARTIFICIAL SALIVA

DIN 53160-1

Color Change Grade 4.5



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