



CONSUMER TESTING LABORATORIES, Inc.

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Evaluation of Test Results

Lab Report No: ARHL0709465

Issue Date: May 14, 2019

Revised May 14, 2019



Item Description: Chipboards Stencils - Four Color Process Print with UV Coating on 10PT SBS Chpboard

Rating: **Pass**

CLIENT: The Chest Inc

COUNTRY OF ORIGIN: United States

SOURCING OFFICE: Not Applicable

SUPPLIER NAME: Chest LLC (The)

STYLE NUMBER: CHST-500, CST-610, CST-215, CHST-410

REASON FOR TESTING: Evaluation of the client requested requirements

*** Please see the following pages for additional item information ***

FACTORY NAME: Not Applicable

FACTORY NUMBER: Not Applicable

ADDITIONAL INFORMATION

1. Please see attached analytical chemistry report for details.

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ADDITIONAL SAMPLE INFORMATION

SIZE(S)	COLOR(S)
Not Applicable	Not Applicable
PO NUMBER(S)	
Not Applicable	
UPC CODE(S)	
Not Applicable	
ITEM NUMBER(S)	
Not Applicable	
QUOTE ID(S)	
Q011760	

Identifier Association Grid

DESCRIPTION	STYLE	TESTED
Pumpkin Palooza	CHST-500	Yes
Safe	CST-610	Yes
Apples	CST-215	Yes
Target	CHST-410	Yes

Reason for Revision:

Added 26-49 worksheet

CONSUMER TESTING LABORATORIES, INC.



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CPSIA / CFR REQUIREMENTS

REGULATORY SUPPLEMENT

SAMPLE Clipboard Stencils

I. IDENTIFICATION and INSPECTION	
	RATING COMMENTS
<p><i>Note: This worksheet is a regulatory supplement and must accompany the applicable product specific worksheet</i></p> <p>TRACKING LABEL (CPSIA Section 103)</p> <p><i>Note: Tracking labeling consists of Manufacturer / Private Labeler Name, location of production, date of production, cohort information (including the batch, run number, or other identifying characteristic); OR this information may be in a code</i></p> <p>On Package: <u>---</u></p> <p style="margin-left: 40px;"><u>---</u></p> <p>On Product: <u>The Chest, Washington MO</u></p> <p style="margin-left: 40px;"><u>17001765</u></p>	<div style="border: 1px solid black; height: 100px; width: 100%;"></div> <p style="text-align: center; color: blue;">---</p> <p style="text-align: center; color: blue;">No packaging provided</p>
<p>LEAD CONTENT - SURFACE COATINGS (16CFR 1303)</p> <p><i>The following is exempt: Mirrors which are part of furniture articles, artists' paints and related materials, metal furniture articles (but not metal children's furniture) bearing factory-applied (lead) coatings</i></p> <p>Lead content of the surface coating(s) scraped from the actual product does not exceed 0.009% (90 ppm, 90-mg/kg)</p>	<div style="border: 1px solid black; height: 100px; width: 100%;"></div> <p style="text-align: center; color: blue;">Pass</p>
<p>LEAD CONTENT - ACCESSIBLE SUBSTRATES</p> <p><u>Total Lead in Substrates / Base Materials</u></p> <p><i>Accessibility is tested before and after reasonable use and abuse testing for all ages up to 12 years</i></p> <p><i>Note: XRF testing is not performed on mouthable components of toys and child care articles. For mouthable components of toys and child care articles only perform wet chemistry testing.</i></p> <p>Product meets one of the following:</p> <p>X-Ray Fluorescence (XRF) prescreening indicates a lead level 0.007% (70-ppm, 70-mg/kg) or less for any accessible substrate / base material</p> <p style="text-align: right; margin-right: 50px;"><u>---</u> Y/N</p>	<div style="border: 1px solid black; height: 100px; width: 100%;"></div> <p style="text-align: center; color: blue;">---</p> <p style="text-align: center; color: blue;">N/A - No applicable substrates</p>

	RATING	COMMENTS
<p>OR</p> <p>Lead content of all accessible substrates / base materials, sampled from the finished product do not exceed 0.01% (100-ppm' 100 mg/kg)</p> <p><i>Exception: Aluminum alloy components of ride on toys intended for children 3 years and older that are not likely to be placed in the mouth or ingested or extensively contacted by a child because of their function and location must not exceed 0.03% (300-ppm, 300-mg/kg)</i></p> <p style="text-align: right;">--- Y/N</p>		

LEAD CONTENT - EXEMPT ELECTRONIC COMPONENTS (16CFR 1500.88)

Note: The electronic component parts in children's electronic devices, (listed below), are exempt from the lead content substrate requirements; note, this only exempts the listed component part and does not exempt the entire product.

- * Lead blended into the glass of cathode ray tubes, electronic components, and fluorescent tubes.
- * Lead used in lead-bronze bearing shells and bushings.
- * Lead used in compliant pin connector systems.
- * Lead used in optical and filter glass.
- * Lead oxide in plasma display panels (PDP) and surface conduction electron emitter displays (SED) used in structural elements; notably in the front and rear glass dielectric layer, the bus electrode, the black stripe, the address electrode, the barrier ribs, the seal frit and frit ring, as well as in print pastes.
- * Lead oxide in the glass envelope of Black Light Blue (BLB) lamps.
- * Components of electronic devices that are removable or replaceable, such as battery packs and light bulbs that are inaccessible when the product is assembled in functional form or are otherwise granted an exemption.

LEAD CONTENT - ELECTRONIC COMPONENTS CONDITIONALLY EXEMPT (16CFR 1500.88)

Product meets one of the following:

Lead used in electronic components of toys, in the manner described below does not exceed the following limits:

Lead Use	Limit
Lead used as an alloying element in steel	< 0.35% by weight (3,500-ppm, 3,500 mg/kg)
Lead used in the manufacture of aluminum	< 0.4% by weight (4,000-ppm, 4,000 mg/kg)
Lead used in copper-based alloys	< 4% by weight (40,000-ppm, 40,000 mg/kg)

--- Y/N

N/A - No applicable features

LEAD CONTENT - ELECTRONIC COMPONENTS (16CFR 1500.88)

All other electronic components (other than those described in the exempt or conditionally exempt lists above) meet one of the following requirements:

X-Ray Fluorescence (XRF) prescreening indicates a lead level 0.007% (70-ppm, 70-mg/kg) or less for all applicable electronic components

--- Y/N

N/A - No applicable features

	RATING	COMMENTS
<p>OR</p> <p>Lead content of applicable electronic components sampled from the finished product does not exceed 0.01% (100-ppm, 100-mg/kg)</p> <p style="text-align: right;">--- Y/N</p>		
<p>FLAMMABILITY OF SOLIDS</p> <p><i>This requirement is applied to all solids including granules, powders, pastes, and rigid and pliable solids</i></p> <p>Children's product's (<i>other than toys</i>) which have an ignition source, or are intended to be used near an ignition source (<i>e.g. lighter, matches, lights etc.</i>) meet one of the following:</p> <p>Solids flammability testing indicates that solids (<i>as described above</i>) do not exceed the maximum allowable limit of no greater than 0.1 inches per second when tested in accordance with 16 CFR 1500.44</p>	---	N/A - No ignition source - not intended to be used near an ignition source
<p>MECHANICAL HAZARDS</p> <p><u>Small Parts</u></p> <p>Product meets requirements of 16CFR 1501 Method for Identifying Toys & Other Articles Intended for Use by Children Under 3 Years of Age Which Represent Choking, Aspiration, or Ingestion Hazards Because of Small Parts</p>	---	N/A - Not for children under 3 yrs
<p><u>Sharp Points</u></p> <p>Note: Evaluation for sharp points is done before and after abuse tests for ages under 8, and as received only for ages 8 - 12</p> <p>Product meets the requirements of 16 CFR 1500.48 Technical Requirements for Determining a Sharp Point in Toys and Other Articles Intended for use by Children Under 8 Years of Age</p>	Pass	

	RATING	COMMENTS
<p>Sharp Edges <i>Note: Evaluation for sharp edges is done before and after abuse tests for ages under 8, and as received only for ages 8 - 12)</i> Product meets the requirements of 16 CFR 1500.49 Technical Requirements for Determining a Sharp Edges in Toys and Other Articles Intended for use by Children Under 8 Years of Age</p>	---	N/A - No applicable materials

II. CONCLUSIONS

OVERALL RATING	PASS
<p>COMMENTS:</p>	

Latest Change: new worksheet
1/5/18

Reference Material:

16CFR 1500.231	Guidance for Hazardous Liquid Chemicals in Children's Products
16CFR 1500 & 1500.3	Hazardous Substance and Articles
16CFR 1501	Small Parts Hazards
16CFR 1199.1	Phthalate-containing inaccessible component parts
	Consumer Product Safety Improvement Act of 2008

This technical worksheet represents testing methods and procedures generally used for testing and evaluating the above specified item. Depending upon the nature of the product, certain tests specified herein may not be applied and / or additional testing procedures may be utilized. This technical worksheet is not intended to be used as a manufacturing or design specification and is subject to revision as further experience and investigation may show necessary.

CPSIA / CFR REQUIREMENTS

REGULATORY SUPPLEMENT

SAMPLE Board Stencils

I. IDENTIFICATION and INSPECTION	
	RATING
<p>Note: This worksheet is a supplement and must accompany the applicable product specific worksheet</p> <p>PHthalATES (Child Care Articles) - CPSIA Section 108(a) / 16 CFR 1308</p> <p><i>The prohibition on phthalates applies to any child care article that is designed or intended by the manufacturer to facilitate sleep or the feeding of children age 3 and younger, or to help children age 3 and younger with sucking or teething.</i></p> <p><i>The following materials do not require testing for compliance: Untreated / unfinished wood, metal, natural fibers, natural latex and mineral products, paper products) paperboard, linerboard and medium, and pulp). Materials that do require testing are plastics, inks, surface coatings.</i></p> <p><i>Effective 10/16/17: The following plastics are exempt: Polypropylene (PP), Polystyrene (GPPS, MIPS, HIPS, SHIPS), Acrylonitrile Butadiene Styrene (ABS).</i></p> <p>Child care articles for children 3 and under meet the following:</p> <p>Phthalate testing indicates that product components contain no more than 0.1% (1000-ppm 100-mg/kg) of each of the below phthalates. (Labs must test using test method CPSC-CH-C1001-09)</p> <p><i>Effective for products imported on or after April 25, 2018, the rule changes to include only the following eight phthalates:</i> DEHP, DBP, BBP, DINP, DIBP, DPENP, DHEXP, DCHP DINP (Diisononyl Phthalate) DIDP (Diisodecyl Phthalate) DnOP (Di-n-Octyl Phthalate) DEHP (Di(2-ethylhexyl) phthalate) BBP (Benzyl Butyl Phthalate) DBP (Dibutyl Phthalate)</p>	
	<p style="text-align: center;">COMMENTS</p>

PHTHALATES - Reusable Packaging

Reusable packaging for child care articles for children 3 and under:

Phthalate testing indicates that reusable packaging contains no more than 0.1% (1000-ppm, 1000-mg/kg) of each of the below phthalates. (Labs must test using test method CPSC-CH-C1001-09)

- DINP (*Diisononyl Phthalate*)
- DIDP (*Diisodecyl Phthalate*)
- DnOP (*Di-n-Octyl Phthalate*)
- DEHP (*Di(2-ethylhexyl) phthalate*)
- BBP (*Benzyl Butyl Phthalate*)
- DBP (*Dibutyl Phthalate*)

RATING	COMMENTS

II. CONCLUSIONS

OVERALL RATING

COMMENTS:

Latest Change: *new worksheet*
1/5/18

Reference Material: *Consumer Product Safety Improvement Act of 2008*

This technical worksheet represents testing methods and procedures generally used for testing and evaluating the above specified item. Depending upon the nature of the product, certain tests specified herein may not be applied and / or additional testing procedures may be utilized. This technical worksheet is not intended to be used as a manufacturing or design specification and is subject to revision as further experience and investigation may show necessary.

Analytical Chemistry Report

ARHL0709465

Test Summary

Specification / Test Type	Result
1) Lead Content of Surface Coatings	Pass

Component List

Component	Description
1	CST-610 stencil coating - CMYK
2	CST-215 stencil coating - CMYK
3	CHST-410 stencil coating - CMYK
4	CHST-500 stencil coating - CMYK

Note: Multiple component numbers on a single test line represent a composite test or combined components

Test Data

1) Lead Content of Surface Coatings

Test Method: Lead content was determined with reference to US Consumer Product Safety Commission method CPSC-CH-E1003-09.1

Component	Pb	Limit	Rating
1,2	< 15	90	Pass
3,4	< 15	90	Pass

Note: LOD = 15 mg/kg

† - Result above the applicable limit. Additional testing was required to determine rating

< = less than

ND = Not Detected, LOD = Limit of Detection

Results expressed in mg/kg unless otherwise noted