



# CONSUMER TESTING LABORATORIES, Inc.

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## Evaluation of Test Results

Lab Report No: ARHL0814523

Issue Date: October 05, 2020



Item Description: Crayola Carry-With-Me Desk Shield

Rating: **Pass**

CLIENT: The Beistle Company

COUNTRY OF ORIGIN: United States

SOURCING OFFICE: Not Applicable

SUPPLIER NAME: Beistle Company

STYLE NUMBER: S100396V

REASON FOR TESTING: Evaluation of the client requested requirements

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

FACTORY NAME: The Beistle Company

### ADDITIONAL INFORMATION

1. Testing for the following requirements was conducted by UL Verification Services, Inc., 611 Dream Valley Road, Rogers, Arkansas 72756. (479)636-8782.
2. The sample complies with 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.
3. The sample complies with 16 CFR Part 1303, Lead Paint Regulation.
4. The sample complies with 15 USC 1278a, Lead in Non-Metal Children's Products.

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a UL company

## ADDITIONAL SAMPLE INFORMATION

<b>SIZE(S)</b>	<b>COLOR(S)</b>
4+	White
<b>PO NUMBER(S)</b>	
Not Applicable	
<b>UPC CODE(S)</b>	
034689206484	
<b>ITEM NUMBER(S)</b>	
Not Applicable	

CONSUMER TESTING LABORATORIES, INC.



Dannon Rose

CATEGORY MANAGER, HARDLINES TESTING

CONSUMER TESTING LABORATORIES, INC.



Chris Dahl

DIRECTOR, HARDLINES TESTING

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**CPSIA / CFR REQUIREMENTS  
REGULATORY SUPPLEMENT**

**SAMPLE** Crayola Carry-With-Me Desk Shield

I. IDENTIFICATION and INSPECTION		
	RATING	COMMENTS
<i>This worksheet is a regulatory supplement and must accompany the applicable product specific worksheet</i>		
<b>TRACKING LABEL (CPSIA Section 103)</b>		
<b>Note:</b> 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		
On Package: <u>Beistle Company, Shippensburg, PA 17257</u> <u>Mfg. 09/25/20 J-135050</u>	<b>Pass</b>	
On Product: <u>Beistle Company, Shippensburg, PA 17257</u> <u>Mfg. 09/25/20 J-135050</u>	<b>Pass</b>	
<b>FLAMMABILITY OF SOLIDS</b>		
<i>This requirement is applied to all solids including granules, powders, pastes, and rigid and pliable solids</i>		
<i>Children's product's (other than toys) which have an ignition source, or are intended to be used near an ignition source (e.g. lighter, matches, lights etc.) meet the following:</i>		
<i>Solids flammability testing indicates that solids (as described above) 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</i>		
	---	
<b>MECHANICAL HAZARDS</b>		
<u>Small Parts</u>		
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		
	---	<i>N/A - Not for children under 3 yrs</i>
<u>Sharp Points</u>		
<i>Evaluation for sharp points 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 1500.48 Technical Requirements for Determining a Sharp Point in Toys and Other Articles Intended for use by Children Under 8 Years of Age		
	<b>Pass</b>	
<u>Sharp Edges</u>		
<i>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		
	---	<i>N/A - No applicable materials</i>
<b>LEAD CONTENT - SURFACE COATINGS (16CFR 1303)</b>		
<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>		
Lead content of the surface coating(s) scraped from the actual product does not exceed 0.009% (90 ppm, 90-mg/kg)		
	<b>Pass</b>	

	RATING	COMMENTS								
<p><b>LEAD CONTENT - ACCESSIBLE SUBSTRATES</b></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><b>Note:</b> 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.</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;"><u>Yes</u> Y/N</p>	<b>Pass</b>									
<p><b>OR</b></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;"><u>---</u> Y/N</p>										
<p><b>LEAD CONTENT - EXEMPT ELECTRONIC COMPONENTS (16CFR 1500.88)</b></p> <p><b>Note:</b> 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.</p> <ul style="list-style-type: none"> <li>* Lead blended into the glass of cathode ray tubes, electronic components, and fluorescent tubes.</li> <li>* Lead used in lead-bronze bearing shells and bushings.</li> <li>* Lead used in compliant pin connector systems.</li> <li>* Lead used in optical and filter glass.</li> <li>* 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.</li> <li>* Lead oxide in the glass envelope of Black Light Blue (BLB) lamps.</li> <li>* 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.</li> </ul>										
<p><b>LEAD CONTENT - ELECTRONIC COMPONENTS CONDITIONALLY EXEMPT (16CFR 1500.88)</b></p> <p>Product meets one of the following:</p> <p>Lead used in electronic components of toys, in the manner described below does not exceed the following limits:</p> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width:40%;">Lead Use</th> <th style="width:60%;">Limit (% by weight)</th> </tr> </thead> <tbody> <tr> <td>Lead used as an alloying element in steel</td> <td style="text-align:center;">&lt; 0.35% (3,500-ppm, 3,500 mg/kg)</td> </tr> <tr> <td>Lead used in the manufacture of aluminum</td> <td style="text-align:center;">&lt; 0.4% (4,000-ppm, 4,000 mg/kg)</td> </tr> <tr> <td>Lead used in copper-based alloys</td> <td style="text-align:center;">&lt; 4% (40,000-ppm, 40,000 mg/kg)</td> </tr> </tbody> </table> <p style="text-align:right;"><u>---</u> Y/N</p>			Lead Use	Limit (% by weight)	Lead used as an alloying element in steel	< 0.35% (3,500-ppm, 3,500 mg/kg)	Lead used in the manufacture of aluminum	< 0.4% (4,000-ppm, 4,000 mg/kg)	Lead used in copper-based alloys	< 4% (40,000-ppm, 40,000 mg/kg)
Lead Use	Limit (% by weight)									
Lead used as an alloying element in steel	< 0.35% (3,500-ppm, 3,500 mg/kg)									
Lead used in the manufacture of aluminum	< 0.4% (4,000-ppm, 4,000 mg/kg)									
Lead used in copper-based alloys	< 4% (40,000-ppm, 40,000 mg/kg)									
	<b>---</b>	<i>N/A - No applicable materials</i>								
<p><b>LEAD CONTENT - ELECTRONIC COMPONENTS (16CFR 1500.88)</b></p> <p>All other electronic components (<i>other than those described in the exempt or conditionally exempt lists above</i>) meet one of the following requirements:</p> <p>X-Ray Fluorescence (XRF) prescreening indicates a lead level of 0.007% (70-ppm, 70-mg/kg) or less for all applicable electronic components</p> <p style="text-align:right;"><u>---</u> Y/N</p>										
<b>OR</b>		<i>N/A - No applicable materials</i>								

	RATING	COMMENTS
Lead content of applicable electronic components sampled from the finished product does not exceed 0.01% (100-ppm, 100-mg/kg) --- Y/N		

**II. CONCLUSIONS**

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

Latest Change: 07/20/20: Added additional phthalates required from regulation (#18670)

Reference Material: CPSIA, 16CFR 1500.231, 16CFR 1500 & 1500.3, 16CFR 1501, 16CFR 1199.1

*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

ARHL0814523

## Test Summary

Specification / Test Type	Result
1) Lead Content of Surface Coatings	Pass
2) Analysis by X-Ray Fluorescence Spectrometry for Lead Content	Pass

## Component List

Component	Description
1	Plastic film - clear
2	Board - white with black print
3	Shield design - multiple inseparable colors

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
3	< 15	90	Pass

Note: LOD = 15 mg/kg

### 2) Analysis by X-Ray Fluorescence Spectrometry for Lead Content

Test Method: Element content was determined using Energy Dispersive X-Ray Fluorescence Spectrometry (EDXRF) in reference to ASTM F2617-08e1

Component	Pb	Limit	Rating
1	ND	100	Pass
2	ND	100	Pass

Note: Components are further subjected to wet chemistry testing when the measured value exceeds 70% of the limit

† - 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