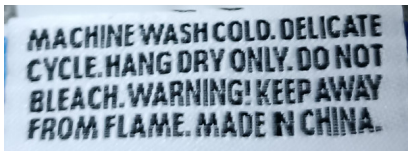
Applicant	:	Base Products, LLC
Contact Person	:	Casey Ames
Sample Description	:	Harkla Sensory Body Sock
Style Number	:	BO-KCOS
Purchase Order Number	:	/
Buyer	:	/
Manufacture	:	Huizhou Taili Garment Factory
Country of Origin	:	/
Country of Destination	:	/
Quantity	:	2
Color or/with Code	:	Blue
Fiber Content	:	80% Nylon / 20% Spandex
End Use	:	/
Care Instruction	:	
Age Grading	:	8 to 18 years old
Date of Submission	:	Jul. 11, 2023
Test Performance Dates	:	Jul. 11, 2023 to Jul. 20, 2023
Date of Reconfirmation/ Resubmission	:	Jul. 20, 2023

Modern Testing Services (Dongguan) Limited
No.76, Liang Ping Lu, Xin Jiu Wei Cun, Liaobu, Dongguan, Guangdong, China
Tel: (86) 769 8112 0818 Fax: (86) 769 8112 0815

东莞现代产品整理服务有限公司
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Photo of Submitted Sample

For and on behalf of
Modern Testing Services (Dongguan) Limited

Kane Lu

Lu Sheng Quan, Kane
Manager, Softline Division

TEST RESULT SUMMARY	
Test Requested	**Results**
Tracking Labels For Children's Products (CPSIA Section 103)	PASS
Sharp Point & Sharp Edge & Small Parts	PASS
Consumer Safety Specification for Toy Safety, Physical and Mechanical Tests (ASTM F963-17)	PASS
Flammability Test for Textile Fabrics (ASTM F963-17 Section 4.2)	
Total Lead Content – U.S. Consumer Product Safety Improvement Act of 2008 (CPSIA), Title I, Section 101	PASS
Total Heavy Metal Screening in Similar Surface Coating Materials and Toys Substrate Materials – ASTM F963-17 Section 4.3.5.1(2)& 4.3.5.2(2)(b) / Section A12.7	PASS
Soluble Heavy Metals Content in Similar Surface Coating Materials and Toys Substrate Materials – ASTM F963-17 Section 4.3.5.1(2) & 4.3.5.2(2)(b)	PASS
Phthalates Content –16CFR part 1307, amended U.S. Consumer Product Safety Improvement Act of 2008 (CPSIA), Title I, Section 108	PASS

TEST RESULTS

1. Tracking Labels For Children's Products (CPSIA Section 103)

Label	Result	Requirement
	Comply	A permanent and distinguishing mark or code on the product and its packaging, to the extent practicable, allows the manufacturer and purchaser to ascertain the name of the manufacturer or private labeler, location and date of production of the product.

Remark:
1. As per client confirmation, the tracking information batch number (A0002) with the date of manufacturing internally.

2. Sharp Point & Sharp Edge & Small Parts

Test	Test Method	Result	Requirement
Sharp Point Test (Age Below 8)	16CFR 1500.48	Pass with no sharp point was found	No sharp point after use and abuse
Sharp Edge Test (Age Below 8)	16CFR 1500.49	Pass with no sharp edge was found	No sharp edge after use and abuse
Small Parts (Age Below 3)	16 CFR 1501 & 16 CFR 1500.50-53	NA Due to above 3	No small parts after use and abuse

Abuse Tests	Test conditions	Abuse Tests	Test conditions
Impact test	4 x 3ft	Tension test	15 lbs
Tip-over test	NA	Compression test	NA
Torque test	4 in-lb/180°	Flexure test	NA

Note: P = Pass F = Fail NA = Not applicable NR = Not Requested

TEST RESULTS

3. ASTM F963-17 Standard Consumer Safety Specification for Toy Safety, Physical and Mechanical Tests

AGE GRADE EVALUATION:

Client requested age grade:	Ages Over 4 years
Labeled age grade:	Ages 4+
Appropriate age grade:	Not Requested
Age grade for testing:	Ages Over 4 years

SUBCLAUSE	REQUIREMENT	RESULT
4.1	Material Quality	P
4.3.7	Stuffing materials – Visual	NA
4.5	Sound-Producing Toys	NA
4.6	Small Objects	NA
4.7	Accessible Edges	P
4.8	Projections	NA
4.9	Accessible Points	P
4.10	Wires or rods	NA
4.11	Nails and Fasteners	NA
4.12	Plastic Film	P
4.13	Folding Mechanisms and Hinges	NA
4.14	Cords, Straps and Elastics	NA
4.15	Stability and Over-Load Requirements	NA
4.16	Confined Spaces	NA
4.17	Wheels, Tires, and Axles	NA
4.18	Holes, Clearance, and Accessibility of Mechanisms	NA
4.19	Simulated Protective Devices	NA
4.20	Pacifiers	NA
4.21	Projectile Toys	NA
4.22	Teethers and Teething Toys	NA
4.23	Rattles	NA
4.24	Squeeze Toys	NA

SUBCLAUSE	REQUIREMENT	RESULT
4.25	Battery-Operated Toys	NA
4.26	Toys Intended to be Attached to a Crib or Playpen	NA
4.27	Stuffed and Beanbag Type Toys	NA
4.28	Stroller and Carriage Toys	NA
4.30	Toy Gun Marking	NA
4.31	Balloons	NA
4.32	Certain Toys with Nearly Spherical Ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric – Shaped Objects	NA
4.37	Yo Yo Elastic Tether Toys	NA
4.38	Magnets	NA
4.39	Jaw Entrapment in Handles and Steering Wheels	NA
4.40	Expanding Materials	NA
4.41	Toy Chests	NA
5.3	Safety labeling Requirements	NR
5.4	Aquatic Toys	NR
5.5	Crib and Playpen Toys	NR
5.6	Mobiles	NR
5.7	Stroller and Carriage Toys	NR
5.8	Toys Intended to be Assembled by an Adult	NR
5.9	Simulated Protective Devices	NR
5.10	Toys with Functional Sharp Edges or Points	NR
5.11	Small Objects, Small Balls, Marbles, and Balloons	NR
5.12	Toys Caps	NR
5.13	Art Materials	NR
5.15	Battery Operated Toys	NR
5.16	Promotional Materials	NR
5.17	Magnets	NR

SUBCLAUSE	REQUIREMENT	RESULT
6.1	Definition and Description	NR
6.2	Crib and Playpen Toys	NR
6.3	Mobiles	NR
6.4	Toy intended to be Assembled by an Adult	NR
6.5	Battery Operated Toys	NR
6.6	Battery Operated Ride-on Toys	NR
6.7	Toys in Contact with Food	NR
6.8	Toy Chests	NR
7.1	Producer's Markings	NR
7.2	Battery-Powered Ride-On Toys	NR
7.3	Toy Chests	NR

Note: P = Pass F = Fail NA = Not applicable NR = Not Requested

TEST RESULTS

4. Flammability Test for Textile Fabrics (ASTM F963-17 Section 4.2)

Fabric Description:	Harkla Sensory Body Sock				
☒ Plain surface					
Original State			After Five Laundering		
No.	Burning Time (sec.)	Burn Code	No.	Burning Time (sec.)	Burn Code
1.	/	DNI	1.	/	DNI
2.	/	DNI	2.	/	DNI
3.	/	DNI	3.	/	DNI
4.	/	DNI	4.	/	DNI
5.	/	DNI	5.	/	DNI
Avg: sec. with specimen(s)			Avg: sec. with specimen(s)		
6	/	/	6	/	/
7.	/	/	7.	/	/
8.	/	/	8.	/	/
9.	/	/	9.	/	/
10.	/	/	10.	/	/
Avg: / sec. with / specimen(s)			Avg: / sec. with / specimen(s)		
PASS					

Requirements	
Plain Surface Fabrics	**Raised Surface Fabrics**
All specimens either did not ignite, ignited but self-extinguished, or any combination thereof.	
Average burn time is 3.5 s or greater.	Average burn time is 4 s or greater.
If only 1 of 5 specimens ignites and burns the stop cord with a time of 3.5 s or more, samples are acceptable.	Average burn time is less than 4 s and all specimens burn with a surface flash where the intensity of the surface flame is insufficient to ignite, char, or melt the base fabric.
If only 1 of 5 specimens ignites and burns the stop cord in less than 3.5 seconds, test another set of 5 specimens. Compute the average time of flame spread for all 10 specimens. If 2 or more of these specimens ignite and burn the stop cord, average the results from those specimens. If only 1 of the 10 specimens ignites and burns the stop cord, samples are acceptable.	Only 1 of 5 specimens ignites and burns in less than 4s and the base fabric does not ignite or fuse or, Only 1 of 5 specimens ignites or burns in more than 4 s, regardless of whether the base fabric ignites or fuses

Explanation of flammability results:	
Plain Surface Fabrics	
DNI	Did Not Ignite.
IBE	Ignited But Extinguished.
0.0 Second (BB)	Time In Seconds, Actual Burn Time Measured and Recorded By The Timing Device in 0.0 Seconds.
Raised Surface Fabrics	
SF uc	Surface Flash, Under The Stop Thread, But Does Not Break The Stop Thread.
SF pw	Surface Flash, Part Way. No Time Shown Because The Surface Flash Did Not Reach The Stop Thread.
SF poi	Surface Flash, At Point Of Impingement Only (Equivalent To “Did Not Ignite” For Plain Surface).
0.0 Sec (BB)	Actual Burn Time Measured and Recorded By The Timing Device in 0.0 seconds
0.0 SF only	Time In Seconds, Surface Flash Only. No Damage To The Base Fabric.
0.0 SFBB	Time In Seconds, Surface Flash Base Burn Starting At Places Other Than The Point Of Impingement As A Result Of Surface Flash.
0.0 SFBB poi	Time In Seconds, Surface Flash Base Burn Starting At The Point Of Impingement.
0.0 SFBB poi*	Time In Seconds, Surface Flash Base Burn Possibly Starting At The Point Of Impingement. The Asterisk Is Accompanied By The Following Statement: “Unable To Make Absolute Determination As To Source Of Base Burn”.

COMPONENT BREAKDOWN LIST:

Test Item	Component Description
A	**Harkla Sensory Body Sock**
A1	Black / white coating (On label)
A2	White plastic (Button cap)
A3	White plastic (Button socket)
A4	White plastic (Button stud)
A5	Navy fabric (Main body)
A6	White fabric with blue / black embroideries (Brand label)
A7	White fabric (Excluding coating) (Label)

TEST RESULT:

5. Total Lead Content – U.S. Consumer Product Safety Improvement Act of 2008 (CPSIA), Title I, Section 101

Test Item	Accessibility (Remark 1)	Classification	Total Lead (Pb) (ppm)		Conclusion
			Result	Limit	
A1	Accessible as received	Paint or similar surface coating	<10	90	PASS
A2+A3+A4	Accessible as received	Accessible substrate	<10	100	PASS

Method:

1) Lead in paint and other similar surface coatings:
The test is conducted according to the US CPSC Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings, February 25, 2011 (CPSC-CH-E1003-09.1)

2) Lead in metals:
The test is conducted according to the US CPSC Standard Operating Procedure for Determining Total Lead (Pb) in Children's Metal Products (Including Children's Metal Jewelry), November 15, 2012 (CPSC-CH-E1001-08.3)

3) Lead in other non-metal materials including plastics, glass and leather material:
The test is conducted according to the US CPSC Standard Operating Procedure for Determining Total Lead (Pb) in Non-Metal Children's Products, November 15, 2012 (CPSC-CH-E1002-08.3)

Remark:

1. The accessibility of the submitted sample is verified according to 16 CFR 1500.87 (e) before and after abuse.

Note: ppm = part per million = mg/kg (milligram per kilogram)
"<" = less than

6. Total Heavy Metal Screening in Similar Surface Coating Materials and Toys Substrate Materials – ASTM F963-17 Section 4.3.5.1(2)& 4.3.5.2(2)(b) / Section A12.7

Test Item	Result – Total Heavy Metals (mg/kg)								Conclusion
	Sb	As	Ba	Cd	Cr	Pb	Hg	Se	
A1	17	<5	35	<10	<10	<10	<10	<10	PASS
A2+A3+A4	<10	<5	<10	<10	<10	<10	<10	<10	PASS
Limit for Surface Coatings and Substrates Other Than Modeling Clay	60	25	1000	75	60	90	60	500	-
Limit for Modeling Clays	60	25	250	50	25	90	25	500	-

Sb = Antimony, As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Pb = Lead, Hg = Mercury, Se = Selenium

Method: ASTM F963-17 Section 8.3.1, sample was digested with acid mixture and analyzed by Inductively Coupled Argon Plasma Spectrometer / Inductively Coupled Plasma Mass Spectrometer / ASTM F963-17 Section A12.7, sample was analyzed by X-ray Fluorescence Spectrometry.

Note: mg/kg = milligram per kilogram
mg = milligram
"<" = less than

7. Soluble Heavy Metals Content in Similar Surface Coating Materials and Toys Substrate Materials – ASTM F963-17 Section 4.3.5.1(2) & 4.3.5.2(2)(b)

Test Item	Mass of Trace Amount (mg)	Result – Soluble Heavy Metals (mg/kg)								Conclusion
		Sb	As	Ba	Cd	Cr	Pb	Hg	Se	
A5	71.5	<10	<10	39	<10	<10	<10	<10	<10	PASS
A6	63.8	<10	<10	21	<10	<10	<10	<10	<10	PASS
A7	22.6	<10	<10	26	<10	<10	<10	<10	<10	PASS
Limit for Surface Coatings and Substrates Other Than Modeling Clay		60	25	1000	75	60	90	60	500	-

Sb = Antimony, As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Pb = Lead, Hg = Mercury, Se = Selenium

Method: ASTM F963-17 Section 8.3.2 (surface coatings) / ASTM F963-17 Section 8.3.5 (substrate material). The heavy metals content was determined by Inductively Coupled Argon Plasma Spectrometer / Inductively Coupled Plasma Mass Spectrometer.

Remark: 1. All the reported results are adjusted analytical results with the analytical correction shown in the following table.

Element	Sb	As	Ba	Cd	Cr	Pb	Hg	Se
Analytical correction (%)	60	60	30	30	30	30	50	60

2. The accessibility of the submitted sample is verified according to ASTM F963-17 before and after abuse.
3. The received sample(s) contained component(s) of less than 10mg on one single sample, therefore such component(s) was not tested for soluble heavy metals content as specified in clause 8.3.3.6 (2) /

8.3.5.3 (2) of this standard.

Note: mg/kg = milligram per kilogram
mg = milligram
"<" = less than

8. Phthalates Content – 16CFR part 1307, amended U.S. Consumer Product Safety Improvement Act of 2008 (CPSIA), Title I, Section 108

Test Item	Result – Phthalates Content (%)								Conclusion
	DBP	BBP	DEHP	DIBP	DCHP	DINP	DnHP/ DHEXP	DPP/ DPENP	
A1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	PASS
A2+A3+A4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	PASS
Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-

List of Phthalates:

Chemical Name	CAS No.	Chemical Name	CAS No.
Dibutyl phthalate (DBP)	84-74-2	Dicyclohexyl phthalate (DCHP)	84-61-7
Butyl benzyl phthalate (BBP)	85-68-7	Di-iso-nonyl phthalate (DINP)	28553-12-0/ 68515-48-0
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	Di-n-hexyl phthalate (DnHP/DHEXP)	84-75-3
Di-iso-butyl phthalate (DIBP)	84-69-5	Dipentyl phthalate (DPP/DPENP)	131-18-0

Method: The test is conducted according to the US CPSC Standard Operation Procedure for Determination of Phthalates, January 17, 2018 (CPSC-CH-C1001-09.4)

Remark: 1. Phthalates were not tested for this material as the material is claimed by applicant to be PP, PE, HIPS, ABS, GPPS, MIPS or SHIPS. These types of materials are exempted by CPSC for Phthalates test.

Note: % = percentage
"<" = less than
">" = more than

– End of Test Report –

NOTE:

Test uncertainties not reported are at client's disposal, for those in which it is possible to evaluate or estimate the test uncertainty. The statement of conformity is based on a 95% coverage probability for the expanded uncertainty of the measured result (guard band):

Rule 1:
For any requirement state to be "Maximum"
PASS - The measured result is below a specification limit minus guard band.
INCONCLUSIVE - The measured result is inside the guard band and below the specification limit and the measured result is above the specification limit but below the specification limit added to the guard band.
FAIL - The measured result is above a specification limit added to the guard band.
DATA – There is no specification limit required which is not possible to state the conformity.

Rule 2:
For any requirement state to be "Minimum"
PASS - The measured result is above a specification limit plus guard band.
INCONCLUSIVE- The measured result is inside the guard band and above the specification limit and the measured result is below the specification limit but above the specification limit added to the guard band.
FAIL - The measured result is below a specification limit minus guard band.
DATA – There is no specification limit required which is not possible to state the conformity.

Rule 3:
For any requirement state to be "a range (Between Upper to Lower specification limit)
PASS - The measured result is within a range of upper and lower acceptance limit.
INCONCLUSIVE- The measured result is inside the guard band at either side of specification limits
FAIL - The measured result is outside a specification limit minus/added to the guard band.
DATA – There is no specification limit required which is not possible to state the conformity.

Rule 4:
For any test based on subjective grading of results by using 9-point scale
PASS - The measured result is above specification limit.
FAIL - The measured result is below a specification limit.
DATA – There is no specification limit required which is not possible to state the conformity.

If there is question or concern regarding the above results, please contact the appropriate lab person below:

General question & concern:
Mill
Customer Service Coordinator
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