

CONSUMER PRODUCTS SERVICES DIVISION

TERVIS TUMBLER CO

Technical Report: (5218)224-0114

Date Received: (5218)224-0114

AUGUST 27, 2018

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JEREMY CHUPP TERVIS TUMBLER CO 201 TRIPLE DIAMOND BLVD., N. VENICE, FL 34275

Sample Description:	WATER BOTTLE						
Manufacturer:	TERVIS TUMBLER CO	Colorant Code:	CL1, GY1				
No. of Samples:	6 EACH SIZE	SKU:	1070185				
Country of Origin:	USA	Country of Destination:	USA, CAN, MEX				
Color:	CLEAR, GRAY	Age Grade:	3+ YEARS				
Manufactured Date:	2018	Material:	/				
Protocol No.:	TERV-TY-08001-USA-CAN-MEX; CPSD-HL-09067-CAN-MEX-USA- 3 STAR; CPSD-AN-08444-USA; CPSD-AN-06001-USA-3 STAR; CPSD-AN-06001.01-USA	Previous Report No.:	N/A				
Product End Use:	DRINKING VESSEL & LID (FOOD (CONTACT)					
Type of Testing:	Full Protocol BPA (Various) Heavy Metals (ASTM F963-16, CCPSA) Phthalates (7P, Prop 65, CPSIA, WA, CCPSA) Lead (CPSIA, IL, CCPSA) FDA Food Contact Safety (Please see form attached) Cadmium (WA, CCPSA)						



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RESULT(S):

- The total lead content of 100ppm requirements by composite testing in substrate materials (Consumer Products Safety Improvement Act (CPSIA) of 2008).

TOTAL LEAD CONTENT IN SUBSTRATE BY COMPOSITE TESTING (100PPM) (Consumer Product Safety Improvement Act (CPSIA) of 2008)

Test Method: U.S. CPSC-CH-E1001-08.1 (June 21, 2010) or U.S. CPSC-CH-E1002-08.1 (June 21, 2010).

Analyte	Lead
Requirement: Maximum allowable limit:	100 mg/kg

Ana	llyte			Lead (Pb)	
	Sample I	Description		Result	Conclusion
	Color / Component	Location	Style	(mg/kg)	
(A)	Clear plastic	Body	/	LT 10	Pass
(B)	Light grey plastic	Lid	/	LT 10	Pass
(C)	Grey soft plastic	Lid	/	LT 10	Pass
(D)	Translucent soft plastic	Gasket	/	LT 10	Pass
(E)	Silvery metal	Axle	/	LT 10	Pass

LT = Less Than * = Average of duplicate analyses mg/kg = milligrams per kilogram (ppm = parts per million)



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- The initial total heavy metals content analysis for soluble heavy metals content in substrate requirements of ASTM F963-17, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.5.2(2)(b).

TOTAL HEAVY METALS CONTENT – INITIAL ANALYSIS FOR SOLUBLE HEAVY METALS CONTENT IN SUBSTRATE (ASTM F963-17, Section 4.3.5.2(2)(b))

Test Method: ASTM International Standard ASTM F963-16, Section 8.3.1 and Annex A7.

Sample Identity	Color	Location	Style
Type I: Substi	rate other than modeling clay		
A.	Clear plastic	Body	/
B.	Light grey plastic	Lid	/
C.	Grey soft plastic	Lid	/
D.	Translucent soft plastic	Gasket	/

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
Max. Limit Type I (mg/kg)	25	1000	75	60	60	90	60	500
Max. Limit Type II (mg/kg)	25	250	50	25	25	90	60	500

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Conclusion
Sample				Coliciusion					
A	LT 7	LT 10	LT 10	8.91	LT 5	LT 10	LT 10	LT 10	Pass
В	LT 7	LT 10	LT 10	14.2	LT 5	LT 10	LT 10	LT 10	Pass
С	LT 7	LT 10	LT 10	LT 7	LT 5	LT 10	LT 10	LT 10	Pass
D	LT 7	LT 10	LT 10	LT 7	LT 5	LT 10	LT 10	LT 10	Pass

mg/kg = milligrams per kilogram (ppm=parts per million)

LT = Less Than

 $ND = None \ Detected$

Detection limit (mg/kg): As and Cr = 7, Hg = 5, other elements = 10

As = Arsenic, Ba = Barium, Cd = Cadmium,

Cr = Chromium, Hg = Mercury, Pb = Lead,

Sb = Antimony, Se = Selenium

Remark

Textiles (natural or synthetic) are exempted for lead content requirement according to clarification of Toy Industry Association for ASTM F963-16. The lead content analysis result of corresponding material herein is for client's reference only.



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- The total cadmium content requirements in surface coating and substrates material according to Washington Bill HB 2647 (Revised Code of Washington, Title 70, Chapter 70.240).

TOTAL CADMIUM CONTENT IN SURFACE COATING AND SUBSTRATES (Washington Bill HB 2647, Revised Code of Washington, Title 70, Chapter 70.240)

Elen	nent:	Cadmium			
Requ	nirement: Maximum allowable limit: (1	40			
	Sample 1	Description		Result	Conclusion
	Color / Component	Location	Style	(mg/kg)	
(A)	Clear plastic	Body	/	LT 10	Pass
(B)	Light grey plastic	Lid	/	LT 10	Pass
(C)	Grey soft plastic	Lid	/	LT 10	Pass
(D)	Translucent soft plastic	Gasket	/	LT 10	Pass
(E)	Silvery metal	Axle	/	LT 10	Pass

LT = Less Than

mg/kg = milligrams per kilogram (ppm = parts per million)

* = Average of duplicate analyses



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- The initial total heavy metals content analysis for soluble heavy metals content in plastic requirement of Canada Consumer Product Safety Act, Toys Regulations, SOR/2011-17 Sec. 27(a) with Amendment in SOR/2016-302.

TOTAL HEAVY METALS CONTENT – INITIAL ANALYSIS FOR SOLUBLE HEAVY METALS CONTENT IN PLASTIC (Canada Consumer Product Safety Act - Toys Regulations, SOR/2011-17 Sec. 27(a) with Amendment in SOR/2016-302)

Sample Identity	Color	Location	Style
A	Clear plastic	Body	/
В	Light grey plastic	Lid	/
С	Grey soft plastic	Lid	/
D	Translucent soft plastic	Gasket	/

Analyte	As	Ba	Cd	Cr	Hg	Sb	Se	
Maximum Limit (mg/kg)	25	1000	75	60	60	60	500	

Analyte	As	Ba	Cd	Cr	Hg	Sb	Se	
Sample			F	Result (mg/kg))			Conclusion
A	LT 7	LT 10	LT 10	8.91	LT 5	LT 10	LT 10	PASS
В	LT 7	LT 10	LT 10	14.2	LT 5	LT 10	LT 10	PASS
С	LT 7	LT 10	LT 10	LT 7	LT 5	LT 10	LT 10	PASS
D	LT 7	LT 10	LT 10	LT 7	LT 5	LT 10	LT 10	PASS

 $mg/kg = milligrams\ per\ kilogram\ (ppm=parts\ per\ million)$

*= Average of duplicate analysis

ND = Not detected

LT = Less Than

Detection limit (mg/kg): As and Cr = 7, Hg = 5, other elements = 10

As = Arsenic, Ba = Barium, Cd = Cadmium,

Cr = Chromium, Hg = Mercury, Sb = Antimony,

Se = Selenium



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- The total lead content in substrate requirements for items contact with mouth of the Canada Consumer Product Safety Act, Consumer Products Containing Lead (Contact with Mouth) Regulations SOR/2010-273 with Amendment in SOR/2016-171.

TOTAL LEAD CONTENT IN SUBSTRATE (Canada Consumer Product Safety Act - Consumer Products Containing Lead (Contact with Mouth) Regulations SOR/2010-273 with Amendment in SOR/2016-171)

Classification: Products intended to come into contact with the user's mouth

Anal	lyte			Lead (Pb)	
	Sample D	Result	Conclusion		
	Color / Component	Location	Style	(mg/kg)	
(A)	Clear plastic	Body	/	LT 10	PASS
(B)	Light grey plastic	Lid	/	LT 10	PASS

LT = Less Than * = Average of duplicate analyses mg/kg =milligrams per kilogram (ppm=parts per million) ND=Not detected

- The total lead content of substrate materials requirements of Illinois Lead Poisoning Prevention Act, Public Act 095-1019, in client's specification (40ppm).

TOTAL LEAD CONTENT IN SUBSTRATES (Illinois General Assembly, Public Act 095-1019)

Test Method: Acid digestion followed by Atomic Absorption Spectrophotometry or Inductively Coupled Plasma Spectrometry

Analyte	Lead
Requirement: Maximum allowable limit:	40 mg/kg

Ana	alyte	Lead (Pb)			
	Sample I	Result	Conclusion		
	Color / Component	(mg/kg)			
(A)	Clear plastic	Body	/	LT 10	Pass
(B)	Light grey plastic	Lid	/	LT 10	Pass
(C)	Grey soft plastic	Lid	/	LT 10	Pass
(D)	Translucent soft plastic	Gasket	/	LT 10	Pass
(E)	Silvery metal	Axle	/	LT 10	Pass

LT = Less Than

mg/kg = milligrams per kilogram (ppm = parts per million)

^{* =} Average of duplicate analyses



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- The bisphenol A (BPA) content requirement of the client's specification.

BISPHENOL A (BPA) CONTENT (Client's specification)

Test Method: Sample was extracted with organic solvent and then analyzed by Liquid Chromatograph Mass

Spectrometer.

Analyte	Bisphenol A
Maximum allowable limit:	ND

Analy	e			Bisphenol A	
	T	Result	Conclusion		
	Color/Component	(mg/kg)			
A	Clear plastic	Body	/	ND	Pass
В	Light grey plastic	Lid	/	ND	Pass
C	Grey soft plastic	Lid	/	ND	Pass
D	Translucent soft plastic	Gasket	/	ND	Pass

mg/kg = milligrams per kilogram (ppm = parts per million) ND = None Detected with detection limit at 0.1mg/kg

- The BBP, DBP, DEHP and DnHP content requirements of the client's specifications.

CLIENT'S BBP/DBP/DEHP/DnHP PHTHALATES CONTENT REQUIREMENTS

	Color / Component	Location	Style
A.	Clear plastic	Body	/
	Light grey plastic	Lid	/
B.	Grey soft plastic	Lid	/
	Translucent soft plastic	Gasket	/

Test Parameter	BBP	DBP	DEHP	DnHP	
Limit (%)	0.1	0.1	0.1	0.1	
Sample		Result (%)			
Е	LT 0.005	LT 0.005	LT 0.005	LT 0.005	Pass
F	LT 0.005	LT 0.005	LT 0.005	LT 0.005	Pass

 $Detection \ Limit: BBP = But$

= Butyl benzyl phthalate (0.005%)

DBP = Dibutyl phthalate (0.005%) DEHP = Di(2-ethylhexyl) phthalate (0.005%)

DnHP = Dihexyl phthalate (0.005%)

Results reported in percentage

LT = Less than ND = None detected



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- The DNOP, DINP and DIDP content requirements of the client's specifications.

CLIENT'S DNOP/DINP/DIDP PHTHALATES CONTENT REQUIREMENTS

	Color / Component	Location	Style
A.	Clear plastic	Body	/
	Light grey plastic	Lid	/
B.	Grey soft plastic	Lid	/
	Translucent soft plastic	Gasket	/

Test Parameter:	DNOP	DINP	DIDP	
Limit (%):	0.1	0.1	0.1	
Sample	Result (%)			Conclusion
A.	LT 0.005	LT 0.005	LT 0.005	Pass
B.	LT 0.005	LT 0.005	LT 0.005	Pass

Detection Limit:

DNOP = Di-n-octyl phthalate (0.005%) Results reported in percentage

DINP = Di-iso-nonyl phthalate (0.005%) LT = Less than DIDP = Di-iso-decyl phthalate (0.005%) ND = None detected



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- The phthalates (BBP, DBP, DEHP, DINP, DIBP, DPENP, DHEXP & DCHP) content requirements of the Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(a) and 108(c), 16 CFR 1307).

PHTHALATES CONTENT IN CHILDREN'S TOYS AND CHILD CARE ARTICLES (Consumer Product Safety Improvement Act (CPSIA) of 2008, Section 108(a) and 108(c), 16 CFR 1307)

Test Method: With reference to U. S. CPSC-CH-C1001-09.3 (April 1, 2010) / CPSC-CH-C1001-09.4 (January 17, 2018).

Sample Identity	Color / Component	Location	Style
A.	Clear plastic	Body	/
	Light grey plastic	Lid	/
B.	Grey soft plastic	Lid	/
	Translucent soft plastic	Gasket	/

Test Parameter:	Listed Phthalates (See Remark)			
Requirement:	Each 0.1%			
Sample ID	Detected Analyte	Concentration (%)	Conclusion	
A.	ND	ND	Pass	
B.	ND	ND	Pass	

Results reported in percentage

ND = None detected

Detection Limit: Each Phthalate (0.005%)

	LIST OF RESTRICTED PHTHALATES					
Number	Chemical Name	CAS Number				
1.	Butyl benzyl phthalate (BBP)	85-68-7				
2.	Dibutyl phthalate (DBP)	84-74-2				
3.	Di(2-ethylhexyl) phthalate (DEHP)	117-81-7				
4.	Di-iso-nonyl phthalate (DINP)	28553-12-0 & 68515-48-0				
5.	Di-iso-butyl phthalate (DIBP)	84-69-5				
6.	Di-n-pentyl phthalate (DPENP or DnPP)	131-18-0				
7.	Di-n-hexyl phthalate (DHEXP or DnHP)	84-75-3				
8.	Dicyclohexyl phthalate (DCHP)	84-61-7				



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The phthalates content in children's products requirements of the Washington Children's Safe Products Act (CSPA) - RCW Chapter 70.240.020.

PHTHALATES CONTENT IN CHILDREN'S PRODUCTS (Washington Children's Safe Products Act (CSPA) - RCW **Chapter 70.240.020**)

	Color / Component	Location	Style
A.	turquoise plastic	lid	J
	royal purple plastic	lid	K
B.	lime green plastic	lid	L
	light grey soft plastic	lid	G, H

Test Parameter	BBP	DBP	DEHP	DNOP	DINP	DIDP	Sum of 6 phthalates	
Limit (%)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Sample		Result (%)						
A.	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.030	Pass
B.	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.030	Pass

Detection Limit:

= Butyl benzyl phthalate (0.005%)

BBPDBP= Dibutyl phthalate (0.005%)

= Di(2-ethylhexyl) phthalate (0.005%) DEHP

DNOP= Di-n-octyl phthalate (0.005%) DINP = Di-iso-nonylphthalate(0.005%)DIDP= Di-iso-decyl phthalate (0.005%) Results reported in percentage

LT= Less than

ND= None detected



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- The specifications in corresponding section(s) of the US Code of Federal Regulations (CFR) Chapter 21 (FDA), Parts 175-177, "Indirect food additives". The material identification(s) provided by the client/vendor were olefin-copolymer (COP) (177.1520).

FDA Food Simulating Solvent Extractives – INDIRECT FOOD ADDITIVES - POLYMERS: OLEFIN POLYMERS - OLEFIN BASIC COPOLYMERS

Test Method : U.S. FDA 21 CFR 177.1520

Sample Identity	Color / Component	Location	Style
A.	Pale grey plastic	Lid	/

Analyte	Density	Total Ex		
Solvent	-	n-Hexane	Xylene	
Condition	-	50 °C, 2 hours	Reflux temperature, 2 hours	
Requirement	$0.85 - 1.00 \text{ g/cm}^3$	≤ 5.5 %	≤ 30 %	
Sample Identity	Results (g/cm ³)	Resul	Conclusion	
A.	0.900	3.26	5.27	Pass

< = *Less than*

 \leq = Less than or equal to

 $g/cm^3 = gram(s)$ per cubic centimeter

% = percent

> = *Greater than*

* = Average of duplicated analysis

 $\mathcal{C} = degree Celsius$



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- The specifications in corresponding section(s) of the US Code of Federal Regulations (CFR) Chapter 21 (FDA), Parts 175-177, "Indirect food additives". The material identification(s) provided by the client/vendor were polyester resins, cross-linked (177.2420).

FDA FOOD SIMULATING SOLVENT EXTRACTIVES POLYMERS: POLYESTER RESINS, CROSS-LINKED

The samples were tested according to the Food and Drug Administration (FDA), Title 21, Code of Federal Regulations (CFR), Section 177.2420, "Indirect Food Additives: Polymers - Polyester Resins, Cross-Linked".

Sample Description						
	Color / Component	Location	Style			
(A)	Clear plastic	Body	/			

PARAMETER	RESULT	REQUIREMENT	CONCLUSION	
 Distilled water 	LT 0.05 mg/sq.in.	≤ 0.1 mg/sq.in.	Pass	

 \leq = Less than or equivalent to

mg/sq. in. = milligrams per square inch

* = Average of duplicate analyses

LT = Less Than.



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- The specifications in corresponding section(s) of the US Code of Federal Regulations (CFR) Chapter 21 (FDA), Part 175-177, "Indirect food additives". The material identification(s) provided by the client/vendor were closures with sealing gasket for food containers (177.1210).

FDA Food Simulating Solvent Extractives – INDIRECT FOOD ADDITIVES - POLYMERS: CLOSURE WITH SEALING GASKETS FOR FOOD CONTAINERS

Test Method : U.S. FDA 21 CFR 177.1210

Condition of Use		Extracting	Extracting Condition of Corresponding Solvents			
		Distilled Water	n-Heptane	8 % Alcohol		
C	Hot filled or pasteurized above	Fill boiling,	120 °F,	-		
	150 °F	cool to 100 °F	15 minutes			

Sample Identity	Color / Component	Location	Style
A.	Grey soft plastic	Gasket	/
B.	Translucent soft plastic	Gasket ring	/

Analyte	Net Chloroform Soluble Extractive					
Solvent	Distilled Water	n-Heptane	8% Alcohol			
Requirement	≤ 50 ppm	≤ 50 /250/ 500 ppm	≤ 50 ppm			
Sample Identity		Conclusion				
A.	< 10	/	/	Pass		
Λ.	10	,	'			

< = Less than

 \leq = Less than or equivalent to

ppm = part per million

> = Greater than

 $* = Average \ of \ duplicated \ analysis$

 $\mathcal{F} = degree\ Fahrenheit$



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REMARK:

- 1. No packaging was submitted with the sample(s), therefore the sample(s) was not evaluated for the labeling requirements on the packaging of the client's testing program.
- 2. As per client's request, "Made in USA origin claim" test was not conducted in this report.
- 3. As per client instruction, Dishwasher test was conducted on "top rack" for lid and "bottom rack for bottle".
- 4. No accessible surface coating was present on the received sample(s). Consequently, the lead content analysis of surface coatings according to modified 16 CFR 1303, "Ban of lead-containing paint and certain consumer products bearing lead-containing paint" (Consumer Products Safety Improvement Act (CPSIA) of 2008), was not conducted.
- 5. No accessible surface coating was present on the received sample(s). Consequently, the heavy metals content analysis of surface coatings according to ASTM F963-17, "Standard consumer safety specification on toy safety", Section 4.3.5.1(2), was not conducted.
- 6. No surface coating was present on the received sample(s). Consequently, the heavy metals content analysis on surface coatings according to the Canada Consumer Product Safety Act Toys Regulations, SOR/2011-17 Sec. 23 with Amendment in SOR/2016-195 or the lead content analysis on surface coatings according to the Canada Consumer Product Safety Act, Surface Coating Materials Regulation, SOR/2016-193 Sec 2 and 6 was not conducted.
- 7. Based on visual evaluation and/or material breakdown received, there is no polyvinyl chloride (PVC) found in the samples submitted and thus the corresponding testing of the Canada Consumer Product Safety Act, Phthalates Regulations, SOR/2016-188 regarding to the restriction of use of certain phthalates content have not been conducted.



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NOTE: If there are questions or concerns regarding above report, please contact the appropriate lab persons.

Technical questions & concerns: Abel Leung / Sammy Sin

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BUREAU VERITAS HONG KONG LIMITED

Jaluan Chan

Chan Chi Wai, Johnson Senior Manager Hardlines Department



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Protocol Number	TERV-TY-08001-USA-CAN-MEX Version 8								
Protocol Description	CHILDREN DRINKING EQUIPMENT AND ICE BUCKET								
Country	United States-Canada-Mexico	United States-Canada-Mexico							
Scope	This protocol is applicable to o	This protocol is applicable to children drinking equipment and ice bucket made of plastic and silicon.							
	As a client specification, all products are tested as children's products								
Creation Date	16/Jun/2016	Last Revision Date	02/Feb/2018						
Client Approval Date	05/FEB/2018	Approver	Jeremy Chupp						
No of Sample		US: Toys and Hardgoods (case by case for assortments): 3 CN: Toys and Hardgoods (case by case for assortments): 3 MX: Toys and Hardgoods (case by case for assortments): 2							
No of Working Days	5								

Keys					
A	Additional Charge For This Test	M	Mandatory	R	Regulatory

	Evaluation	Citation / Method	No. of	Criteria	Results	Rating			
			Samples						
SU	SUPPLEMENTARY PROTOCOL								
Not	e: Additional cost, samp	le size & TAT may be r	equired if tes	ting to 1 or more supplemental protocol is necessary.					
Plea	ase refer to the below ref	erenced supplemental p	rotocol(s) for	additional information.					
A	CPSIA requirements	CPSD-AN-PTCL-	-	All samples shall be reviewed against the requirements of CPSIA	SEE	/			
		08444-USA		Requirements supplemental protocol to determine if additional testing or	PROTOCOL				
				labeling is required.	CPSD-AN-				
					PTCL-08444-				
					USA				



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	Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
A M	California Proposition 65	CPSD-AN-PTCL- 06572-USA	-	The sample should be reviewed against the requirements of California Proposition 65 to determine if additional testing or labeling is required. For samples that fall under the scope of CA Prop 65 requirements with testing limit(s) but does not contain appropriate labeling (refer to image appendix for detail), actual testing will be conducted. Otherwise, actual testing is not required and report as "Pass" if the sample contains appropriate labeling.	NA	/
A	Food Contact	CPSD-AN-PTCL- 06001-USA		The sample shall meet the applicable requirements in CPSD-AN-PTCL-06001-USA as specified.	NA	/
A	Packaging and Labeling Requirement	CPSD-HL-PTCL- 09067-CAN-MEX- USA	-	The sample shall meet applicable packaging and labeling requirements in the supplemental protocol.	SEE PROTOCOL CPSD-HL- 09067-CAN- MEX-USA	/
LA	BELING	-				
R	Illinois lead warning label	Illinois Lead Poisoning Prevention Act		[US] Product may contain the following Illinois lead warning label per client's requirement. Refer to the analytical section for details. "WARNING: CONTAINS LEAD. MAY BE HARMFUL IF EATEN OR CHEWED. COMPLIES WITH FEDERAL STANDARDS."	NA	/
	Age grading	CPSC Age Determination Guidelines / 16 CFR Part 1200	-	[US] All products shall be tested according to either the appropriate age grade, as determined by BVCPS, or the labeled age grade if it is more stringent. In the event the sample is not age labeled, BVCPS will determine the appropriate age grade and test accordingly	TESTED AGE GRADE: CHILDREN PRODUCT, OVER 3 YEARS APPROPRIATE AGE GRADE: CHILDREN PRODUCT, OVER 3 YEARS	/



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	Evaluation	Citation / Method	No. of	Criteria	Results	Rating
		anan an atass	Samples		37.4	,
	Parts Labeling	CPSD-GB-01057-		[US, CN, MX]	NA	/
		MTHD		Parts Labeling shall match the actual content if present		
	Accuracy or	CPSD-GB-01057-	-	[US, CN, MX]	NA	/
	adequacy of	MTHD		Instructions shall be legible and easy to understand. Instructions shall be		
	instructions			consistent with sample performance		
	Claim verification -	CPSD-GB-08612-	-	[US, CN, MX]	NA	/
	level 2	MTHD		Examine the retail packaging (or submitted artwork).	(WITHOUT	
					PACKAGING)	
				Record each objective (factual) claim which can be substantiated by the		
				testing within the protocols and rate accordingly.		
				Record testing that extend beyond existing net quantity / dimensional testing		
				on this protocol.		
				D 1 H 4 1' 4' 46 4 1 1 1' 4' 4 1' 1 1' 4' 4' 1' 1 1' 4' 4' 1' 1' 1' 4' 1' 1' 1' 4' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1'		
				Record all other objective (factual) and subjective (opinion) claims as "NT"		
				and rate as "DATA".		
				D1:-f		
				Record information evaluated between the graphic imagery and the product.		
				Record disclaimers on datasheet.		
	Elovible poelsocine	SOR/2011-17		[CN]	NA	,
	Flexible packaging			The opening of the bag shall be less than 356 mm (14 inches) in	NA	/
	film bags	section 4 (Mod.)		circumference OR		
				The bag shall		
				0		
				 be made from film that is at least 0.019 mm (0.75 mil) thick, and have printed legibly on it the following warning or equivalent in both 		
				official languages:		
				PLASTIC BAGS CAN BE DANGEROUS. TO AVOID DANGER OF		
1				SUFFOCATION KEEP THIS BAG AWAY FROM BABIES AND		
1				CHILDREN.		
1				CHILDREN. LES SACS DE PLASTIQUE PEUVENT ÊTRE DANGEREUX. POUR		
1				ÉVITER LE DANGER DE SUFFOCATION, NE LAISSEZ PAS CE SAC		
1				À LA PORTÉE DES BÉBÉS NI DES ENFANTS.		
				A LA FUNTEE DES DEDES IN DES ENFANTS.		



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	Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
				Modification: expanded scope to other products		
	ALYTICAL	•				
R	packaging-Doc	Model Toxics in Packaging Legislation of the Toxics in Packaging Clearinghouse (TPCH) / CPSD- GB-00001-MTHD	•	[US] The sum of concentration levels of lead, cadmium, mercury and hexavalent chromium in packaging or packaging components shall not exceed 100 mg/kg (100 ppm) by weight. In lieu of testing, test report can be submitted if dated within One year.	NT	/
A R	Bisphenol A	US Various state laws (e.g. CT Public Act # 09-103 and MN Chapter 40 SF #247)/21 CFR 177.1580 / CPSD- AN-00169-MTHD	1	[US] The following products shall not contain any detectable levels of Bisphenol-A (BPA) (BV reporting limit is 0.1 mg/kg): Infant formula/ baby food plastic container, jar or can All reusable food or beverage containers including lids (if any) Baby bottle liners Pacifiers Straws "Infant formula" means a commercially available milk based or soy based powder, concentrated liquid or ready-to-feed substitute for human breast milk that is intended for infant consumption. "Baby food" means a commercially available prepared solid food consisting of a soft paste or an easily chewed food that is intended for consumption by children two years of age or younger. "Reusable food or beverage container" means a receptacle for storing food or beverages, including, but not limited to, baby bottles, spill-proof cups, sports bottles and thermoses, and excluding containers intended for disposal after initial use. Report actual results or include data table within report. Note: Vendors shall provide documentation or a bill of materials for material identification. If they cannot provide surface coating or substrate material information, all coatings (except lacquer and paint) and applicable substrates	M (SEE RESULTS)	PASS



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			77 0		- 1	ge 20 01 54
	Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
				will be tested. - Vendors shall be responsible for the compliance of all other materials. - Testing will not be conducted on food contact polycarbonate resins in infant feeding bottles (baby bottles) and spill-proof cups including their closures and lids, designed to help train babies and toddlers to drink from cups (sippy cups), because food contact polycarbonate resins are banned in these products by 21 CFR 177.1580. - Composite all colors of surface coating to perform one test.		
AR	Total cadmium in surface coating	Washington Children's Safe Products Act (CSPA) – RCW Chapter 70.240.020 / CPSC-CH-E1003- 09.1 (Mod) / CPSD- AN-00001-MTHD / CPSD-AN-00164- MTHD	1	Client requirement [US] All accessible surface coatings, before and after use and abuse testing, on children's product under the age of twelve shall not exceed 40 ppm (0.004 % by weight) total cadmium. Note: - Limited to toys, cosmetics, jewelry, products designed or intended by the manufacturer to help a child with sucking or teething, to facilitate sleep, relaxation, or the feeding of a child, or to be worn as clothing by children, and child car seats. - Refer to CSPA Reporting Rule WAC 173-334 for the complete product list. - See RCW Chapter 70.240.010 for children's products that are exempt. - Products for children under 12 years of age that are subject to CPSIA cadmium requirements are exempt. - Composite up to 3 colors / like materials. - Individual materials will be analyzed if the composite result exceeds the adjusted limit (regulatory limit divided by the number of components). - Vendor shall be responsible for the compliance of all other materials.	NA	
A R	Total cadmium in substrate	Washington Children's Safe Products Act (CSPA) – RCW Chapter 70.240.020 / CPSC-CH-E1001-	1	[US] All accessible plastics and metals, before and after use and abuse testing, on children's product under the age of twelve shall not exceed 40 ppm (0.004 % by weight) total cadmium. Note: - Limited to toys, cosmetics, jewelry, products designed or intended by the	M (SEE RESULTS)	PASS



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	Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
		08.3 (Mod) / CPSC- CH-E1002-08.3 (Mod) / CPSD-AN- 00185-MTHD / CPSD-AN-00196- MTHD	Sumples	manufacturer to help a child with sucking or teething, to facilitate sleep, relaxation, or the feeding of a child, or to be worn as clothing by children, and child car seats. - Refer to CSPA Reporting Rule WAC 173-334 for the complete product list. - See RCW Chapter 70.240.010 for children's products that are exempt. - Products for children under 12 years of age that are subject to CPSIA cadmium requirements are exempt. - Composite up to 3 colors / like materials (except metals). - Individual materials will be analyzed if the composite result exceeds the adjusted limit (regulatory limit divided by the number of components). - Vendor shall be responsible for the compliance of all other materials.		
A R	Phthalates in children product	Washington Children's Safe Products Act (CSPA) – RCW Chapter 70.240.020 / CPSC-CH-C1001- 09.3 (Mod) / CPSD- AN-00095-MTHD / CPSD-AN-00143- MTHD	1	[US] All accessible components, before and after use and abuse testing, on children's product under the age of twelve shall not exceed a sum of 1000 ppm (0.10% by weight) of DEHP, BBP, DBP, DINP, DNOP, DIDP. Note: - Limited to toys, cosmetics, jewelry, products designed or intended by the manufacturer to help a child with sucking or teething, to facilitate sleep, relaxation, or the feeding of a child, or to be worn as clothing by children, and child car seats Refer to CSPA Reporting Rule WAC 173-334 for the complete product list See RCW Chapter 70.240.010 for children's products that are exempt Products for children under 12 years of age that are subject to CPSIA phthalates requirements are exempt Actual testing would be conducted on all accessible plastics materials (including natural and synthetic rubber), plasticizer print, scrapable surface coatings, decals, polymeric coated materials (unscrapable), adhesives and sealants (exclude adhesive for stickers), reusable packaging, electrical plug and cables Vendor shall be responsible for the compliance of all other materials Composite up to 3 colors / like materials Individual materials will be analyzed if the composite result exceeds the	M (SEE RESULTS)	PASS



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	Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
				adjusted limit (regulatory limit divided by the number of components).		
A	Total heavy metal	Acid extraction with ICP analysis / CPSD-AN-00564- MTHD		[US] APPLY TO: Products and parts of product that can be sucked, mouthed or ingested. The criteria for classification of product or parts likely to be sucked, mouthed or ingested: (1) All product parts intended to be mouthed or contact food or drink (2) Products intended for children less than 6 years of age, that is, all accessible parts and components where there is a probability that those parts and components may come into contact with the mouth. All accessible surface coating and substrates, before and after use and abuse testing, shall have total heavy metals content comply with the limits specified in Table 1 of the standard. [Antimony (Sb) 60 mg/kg, Arsenic (As) 25 mg/kg, Barium (Ba) 1000 mg/kg, Cadmium (Cd) 75 mg/kg, Chromium (Cr) 60 mg/kg, Lead (Pb) 90 mg/kg, Mercury (Hg) 60 mg/kg, Selenium (Se) 500 mg/kg] Report actual results or include data table within report. Component testing is allowed. Compositing up to 3 like colors/ materials is allowed except metal. Based on the standard, will composite up to 3 like colors/ materials except metal. If any material in the composite exceeds 80% of the limit based on the lowest weight component, soluble heavy metal content test with individual materials will be analyzed. Note: Test method and limit referenced ASTM F96317 Client requirement	M (SEE RESULTS)	PASS



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	Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
A R	Total lead in surface coating	Illinois Lead Poisoning Prevention Act / CPSC-CH-E1003- 09.1/ CPSD-AN- 00001-MTHD	Samples	[US] The following surface coatings shall contain less than 0.004% (40 ppm) lead or lead compounds in which the lead content is the weight of the total content or be labeled with the appropriate warning (refer to labeling section for details): All accessible surface coatings, in the as received state, on jewelry for children under 12 years of age; All accessible surface coatings, before and after use and abuse testing, on child care articles for children 6 years of age or younger, and on toys for children under 12 years of age. The warning label is not allowed for any sample with a result above the federal limit of 0.009% (90ppm). In case of insufficient coating for testing found on the number of samples specified in the protocol, vendor needs to provide additional samples/component parts (including raw materials) for testing. The vendor is responsible for compliance of all other products outside of the above scope. Report actual results or include data table within report. Component testing is allowed. Compositing is not allowed.	NA	
A R	Total lead in substrate	Illinois Lead Poisoning Prevention Act / CPSC-CH-E1001- 08.3/CPSC-CH- E1002-08.3 / CPSD-AN-00185- MTHD/CPSD-AN- 00196-MTHD	-	[US] The following substrate materials shall contain less than 0.004% (40 ppm) lead or lead compounds in which the lead content is the weight of the total content or be labeled with the appropriate warning (refer to labeling section for details): All accessible substrate materials, in the as received state, on jewelry for children under 12 years of age; All accessible substrate materials, before and after use and abuse testing, on child care articles for children 6 years of age or younger. The warning label is not allowed for any sample with a result above the	M (SEE RESULTS)	PASS



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	Evaluation	Citation / Method	No. of	Criteria	Results	Rating
A R	Total lead in surface coating	Canada Surface Coating Materials Regulations (SOR/2016-193) Sec.6 / CPSD-AN- 00566-MTHD	Samples	federal limit of 0.010% (100ppm). In case of insufficient material for testing found on number of samples specified in the protocol, vendor needs to provide additional samples/components/parts for testing. Materials exempted from testing under CPSIA (e.g., textiles) under 16 CFR 1500.88 and 1500.91(d) and (e) will not be tested. The vendor is responsible for compliance of all other products outside of the above scope. Report actual results or include data table within report. Component testing is allowed. [CN] All accessible surface coatings in the as received state on following products shall not contain lead or lead components in which the lead content is in excess of 90 mg/kg (0.009%) of the weight of the total content. a. products for children, including furniture; and b. pencils and artists' brushes. Note: Report actual results or include data table within report. Component testing is allowed. Composite up to 3 colors is allowed. If any color in the composite exceeds 80% of the limit (72 ppm), based on the lowest weight component, individual colors will be analyzed. In case of insufficient material for testing found on number of samples specified in the protocol, vendor needs to provide components or dipped	NA	/
A R	Total lead in article in contact with the user's mouth	Canada Consumer Products Containing Lead (Contact with Mouth) Regulations (SOR/2010-273, 2016-171) / CPSD-	1	parts for testing. [CN] Products for all ages (including adults) that have accessible surface coatings and substrates that come into contact with the user's mouth during normal use shall not contain lead or lead components in which the lead content is in excess of 90 mg/kg (0.009%) of the weight of the total content.	M (SEE RESULTS)	PASS



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	Evaluation	Citation / Method	No. of	Criteria	Results	Rating
		AN-00461-MTHD	Samples	Note: - Report actual results or include data table within report. - Component testing is allowed. - Composite up to 3 colors is allowed. If any color in the composite exceeds 80% of the limit (72 ppm), based on the lowest weight component, individual colors will be analyzed. - The following products are exclude: a. Kitchen utensils, b. Jewelry under Children's Jewelry Regulations c. Products subject to Glazed Ceramic and Glassware Regulations. - Non-suspect materials as defined by the Consumer Products Safety Commission in 16 CFR 1500.88 and 16 CFR 1500.91 (d) and (e) will be exempted from testing. It is the vendor's responsibility to ensure compliance of these materials. - In case of insufficient material for testing found on number of samples specified in the protocol, vendor needs to provide components or dipped parts for testing.		
A R	BBP/DBP/DEHP content	Canada Phthalates Regulations (SOR/2016-188) / CPSD-AN-00095- MTHD / CPSD- AN-00143-MTHD		 [CN] Accessible vinyl (PVC) in a toy or child care article, in the as received state, shall not contain concentration of more than 1000mg/kg (ppm) BBP, DBP or DEHP individually. Note: Report actual results or include data table within report. Compositing up to 3 like materials is allowed. In case of insufficient material for testing found on number of samples specified in the protocol, vendor needs to provide components or parts for testing. Vendor is responsible for compliance of all other types of vinyl. 	NA	/
A R	DNOP/DINP/DIDP content	Canada Phthalates Regulations (SOR/2016-188) / CPSD-AN-00095- MTHD / CPSD-		[CN] Accessible vinyl (PVC) in any part of a toy or child care article, in the as received state, that can, in a reasonably foreseeable manner, be placed in the mouth of a child under 4 years of age shall not contain concentration of more than 1000mg/kg (ppm) DINP, DIDP or DnOP individually.	NA	/



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	Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
		AN-00143-MTHD		Note: - Report actual results or include data table within report Compositing up to 3 like materials is allowed In case of insufficient material for testing found on number of samples specified in the protocol, vendor needs to provide components or parts for testing Vendor is responsible for compliance of all other types of vinyl.		
A	Phthalate content	Solvent extraction, GC-MS/LC-MS analysis / CPSD- AN-00095-MTHD		[US] Children products shall not contain concentrations of more than 0.1% BBP, DBP DEHP, DINP, DIDP, DnOP and DnHP individually: Note: - Actual testing would be conducted on all accessible plastics materials (including natural and synthetic rubber) and surface coatings. - Composite up to 3 colors / like materials. - Individual materials will be analyzed if the composite result exceeds the adjusted limit (regulatory limit divided by the number of components). - Report actual results or include data table within report. - Component testing is allowed. Client requirement	M (SEE RESULTS)	PASS
A	Identification of cellulose nitrate	Qualitative analysis and FTIR analysis / CPSD-AN-00042- MTHD		[CN] A product that is intended for use by a child, other than a ping-pong ball, shall not be made of or impregnated with celluloid or cellulose nitrate. Note: - Perform this test when the result of Cellulose nitrate is positive (Refer to Cellulose nitrate test line for detail) Test method and limit with reference Canada Toys Regulations (SOR/2011-17) section 21 Client requirement	NA	/



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	Evaluation	Citation / Method	No. of	Criteria	Results	Rating
	Evaluation	Citation / Method	Samples	Списта	Results	Kaung
A	Heavy metal in plastic	Acid digestion, ICP analysis / CPSD- AN-00009-MTHD	Jampies	[CN] APPLY TO: Products intended for child under 3 years old All accessible plastics, in the as received state, on toys that are intended for use by a child less than three years of age in learning or play, shall have soluble heavy metal contents comply with following limits: Antimony (Sb) 60 mg/kg, Arsenic (As) 25 mg/kg, Barium (Ba) 1000 mg/kg, Cadmium (Cd) 75 mg/kg, Chromium (Cr) 60 mg/kg, Mercury (Hg) 60 mg/kg, Selenium (Se) 500 mg/kg Note: - Report actual results or include data table within report. - Composite up to 3 colors is allowed for the total screening test. If the composite result exceeds 80% of the soluble limit (e.g., 48 ppm for antimony), based on the lowest weight component, individual materials will be analyzed by the ASTM F963 soluble method to demonstrate compliance. Note: Test method and limit with reference Canada Toys Regulations (SOR/2011-17) section 27(a)	M (SEE RESULTS)	PASS
PH	YSICAL MECHANICA	AL AND ELECTRICA	L HAZARI)		
R	Small part	16 CFR 1501	1	[US] [Products intended for children under 36 months of age] Shall not include removable, liberated components, or fragments of products before or after use and abuse that are small part.	NA	/
	Small parts (Feeding products)	16 CFR 1501 (Mod)	1	[US] Feeding products such as drinking glasses, dishes and eating utensils, intended for children under 36 months of age shall not include removable, liberated components or fragments of products before or after use and abuse testing that are small part. Modification: Expand scope to cover feeding products.	NA	/



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Page						
	Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
R	Sharp points	16 CFR 1500.48	1	[US] Items intended for children under 8 years of age shall not have accessible, potentially hazardous sharp points before or after use and abuse testing.	M	PASS
R	Sharp edges	16 CFR 1500.49	1	[US] Items intended for children under 8 years of age shall not have accessible, potentially hazardous sharp edges before or after use and abuse testing.	M	PASS
	Toys - physical and mechanical	SOR/2011-17 (Mod.)		[CN] Shall comply with the physical and mechanical (e.g. small parts, points, edges, auditory, etc) requirements as specified in standard. Modification: expand scope to non-toy products	M	PASS
FL	AMMABILITY	•				
R	Solids - Flammability	16 CFR 1500.3(c)(6)(vi) / 16 CFR 1500.44	1	[US] Shall not exceed the maximum allowable limit of no greater than 0.1 inches per second.	M	PASS
	Cellulose nitrate	SOR/2011-17 Section 21 modified		[CN] Shall not exhibit burn characteristics associated with materials in whole or in part, made of or impregnated with Celluloid or Cellulose Nitrate. (If the result is positive, verify the presence of Celluloid or Cellulose Nitrate by "Identification of cellulose nitrate") Modification = Expanded scope to other products	M	PASS
PE	RFORMANCE			1 1 1		
	Actual use - functionality	CPSD-GB-01058- MTHD	1	[US, CN, MX] Shall function as intended. Report details of evaluation (materials used / features tested / consumables / method / etc.)	M (ACTUAL USE)	PASS
A	Bite test	16 CFR 1500.51(c) / 16 CFR 1500.52(c) / Client requirement	1	[US, CN, MX] Products intended for child less than 3 years old shall withstand bite force as specified by regulation with no breakage.	NA	/
				Client requirement		
Α	Dishwasher claim	CPSD-HL-01014-	1	[US, CN, MX]	M	PASS



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	Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
	verification	MTHD (Mod)		[Product containing a dishwasher safe claim] Shall exhibit no surface degradation such as cracks, color fading, scratches, or deformation such as warping after 5 cycles. Modification: Modify the scope to product containing a dishwasher safe claim only.	(LID: TOP RACK)	
A	Microwave claim verification	CPSD-HL-01024- MTHD (Mod)	1	[US, CN, MX] [Product containing a microwave safe claim] Sample is placed in condition room at 59 – 86 degree F (15 – 30 degree C) for at least 2 hours before the test. After removing the sample from condition room. Filled the test item with 75% water according to different types of item. Microwave the sample for 5 minutes with power of the microwave at 1000 W (or equivalent energy i.e. 300 kJ.). Sample shall withstand test with no distortion, melting, surface deformation or staining after the test. For sample with handle, The temperature of the gripping area shall not exceed 140 degree F (60 degree C) and record the results as "Data Only." Modification: Modify the scope to product containing a microwave safe claim only.	M (BOTTLE ONLY)	PASS
A	Freezer claim verification	CPSD-HL-01008- MTHD (Mod)	1	[US, CN, MX] [Product containing a freezer safe claim] Shall have no visual changes, functionality failure, structural failure and /or permanent deformation after a 4 hour exposure in a freezer chilled to 0 deg. F. Modification: Modify the scope to product containing a freezer safe claim only.	М	PASS



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IMPORTANT NOTE: The information presented under the "Criteria" of this protocol is for information only and does not replace the content of the standard. Details of the requirements should be referred to the original standards.

US use and abuse condition:

Testing Parameter	Age (Months)	Abuse Test Conditions			
Drop Test	0 to ≤ 18	4.5 ft (1.37 m), 10 drops			
	$> 18 \text{ to } \le 36$	3 ft (0.91 m), 4 drops			
	$> 36 \text{ to } \le 96$ 3 ft (0.91 m), 4 drops				
Torque Test	$0 \text{ to} \le 18$	2 in - lb (0.23 N - m)			
	$> 18 \text{ to } \le 6$	3 in - lb (0.34 N - m)			
	$> 36 \text{ to } \le 96$	4 in - lb (0.45 N - m)			
Tension Test	$0 \text{ to} \le 18$	10 lb (44.5 N)			
	$> 18 \text{ to } \le 36$	15 lb (66.8 N)			
	$> 36 \text{ to } \le 96$	15 lb (66.8 N)			
Compression Test	$0 \text{ to} \le 18$	20 lb (89 N)			
	$> 18 \text{ to} \le 36$	25 lb (111.3 N)			
	$> 36 \text{ to} \le 96$	30 lb (133.5 N)			

CN use and abuse condition:

Testing Par meter	Age (onths)	Abuse Test onditions
Drop Test	0 to ≤36 >36 to ≤168	4.5 ft (1.37 m), 4 drops 3 ft (0.91 m), 4 drops
Tension Test	0 to ≤168	10 lb (44.5 N)

Bite test condition:

Testing Parameter	Age (Months)	Test Load
Bite Test	0 to ≤ 18 >18 to ≤ 36 >36 to ≤ 96	25 lb (11.35 kg) 50 lb (22.74 kg) 100 lb (45.50 kg)



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Protocol Number	CPSD-HL-09067-CAN-MEX	K-USA-3 STAR		Version	22				
Protocol Description	PACKAGING AND LABEL	ING REQUIREMENTS							
Country	Canada-Mexico-United State	la-Mexico-United States							
Scope	This protocol is applicable to	sample with packaging or	the sample require labeling						
Creation Date	29/Apr/0014	Last Revision Date	09/May/2018						
Client Approval Date		Approver							
No of Sample	3								
No of Carton for Transit Test	1								
No of Working Days	10								

Keys					
A	Additional Charge For This Test	M	Mandatory	R	Regulatory

	Evaluation	Citation /	Criteria	1	2	3	Result	Rating		
		Method		Star	Star	Star				
LA	LABELING									
NC	TE: Font size requ	irements will not	evaluated based on a PDF, photo, or printout of artwork. Final retail packaging is require	d for for	nt size e	valuatio	n.			
	US Packaging	F.P. and L.	Packaging shall be labelled with the following,	X	X	X	NA	/		
R	labeling	Act (16 CFR	Product Identification				(WITHOUT			
		500) OR NIST	Net quantity of contents shall be expressed in terms of weight or mass, measure,				PACKAGING)			
		Uniform Laws	numerical count, or combination so as to give accurate information to facilitate							
		and	consumer comparison (U.S. and metric units)							
		Regulations	Manufacturer, packer, or distributor's name & address (City, State & Zip Code)							
		Handbook 130								
	Country of	19 CFR 134	Shall indicate country of origin legibly, permanently, and in comparable size and	X	X	X	NA	/		
R	origin marking		close proximity to any mention of country other than country in which the article				(WITHOUT			
			was manufactured or produced. Must be visible at point of purchase.				PACKAGING)			
Α	EPA TSCA	40 CFR 770	If wood of any type is present in the sample, submitter shall provide a completed	X	X	X	NA	/		
R	title VI-		and signed Sample Declaration Form. Sections A, B, and E of the Sample							



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	Evaluation	Citation /	Criteria	1	2	3	Result	Rating
	Evaluation	Method	Criteria	Star	Star	Star	Kesuit	Kaung
	Composite	11101104	Declaration Form must always be completed.	Dear	Star	Dui		
	wood-		· If regulated composite wood is not present in the sample, result is N/A.					
	Declaration		· If regulated composite wood is present in the sample:					
	form and mill		- Section D of the Sample Declaration Form must also be completed					
	certification		- Submitter shall provide a copy of the certificate issued by the Third					
			Party Certifier (TPC) for the mill(s) from which the raw panels were					
			purchased					
			- All information on the certificate shall be consistent with the Sample					
			Declaration Form					
			Notes:					
			· Include a copy of the Sample Declaration Form in the report					
			Regulated composite wood includes:					
			- Hardwood plywood (HWPW)					
			- Medium-density fiberboard (MDF)					
			- Thin medium-density fiberboard (Thin MDF)					
			- Particleboard (PB)					
			Mill certificate that denotes compliance with CARB's ATCM for					
			formaldehyde will be accepted in lieu of a certificate denoting					
			compliance with TSCA Title VI until March 22, 2019					
			 Rating Schedule: On or before May 31, 2018: 					
			Compliant submission shall be rated as pass					
			Non-compliant submission shall be rated as data					
			- On or after June 1, 2018:					
			Compliant submission shall be rated as pass					
			Non-compliant submission shall be rated as fail					
A	EPA TSCA	40 CFR	Finished goods containing regulated composite wood shall comply with the	X	X	X	NA	/
R	Title VI–	770.45(c) &	labeling requirements found in 40 CFR 770.45(c) unless the finished good					
	Composite	(e)	qualifies for the <i>de minimis</i> exception found in 40 CFR 770.45(e).					
	wood-Finished		• A finished good does not require labeling per 40 CFR 770.45(c) if the					
	good labeling		finished good does qualify for the <i>de minimis</i> exception in 40 CFR 770.45(e). If					
			the finished good does qualify for the <i>de minimis</i> exception, result is N/A.					
			· A finished good does require labeling per 40 CFR 770.45(c) if the finished					



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	Evaluation	Citation /	Criteria	1	2	3	Result	Rating
		Method		Star	Star	Star		
			good does not qualify for the <i>de minimis</i> exeption in 40 CFR 770.45(e). - At a minimum, the label must be on the product OR the packaging - The label may be applied as a stamp, tag, or sticker - The label shall include, at a minimum, in legible English text: 1. Fabricator's name 2. Date the finished good was produced (in month/year format) 3. A statement of compliance to denote that the finished good complies with TSCA Title VI Example:					
			XXX Company MM/YYYY EPA TSCA Title VI compliant for formaldehyde					
			Notes: A de minimis amount of regulated composite wood is defined as regulated composite wood content not exceeding 144 square inches, based on the surface area of the largest face of the finished good. The de minimis exception is not available to finished goods or component parts that are designed to be used in combination or in multiples to create larger surfaces, finished goods, or component parts. When a statement of compliance is necessary, a statement of compliance that denotes the finished good complies with CARB's ATCM for formaldehyde will be accepted in lieu of a TSCA Title VI compliance statement until March 22, 2019. Rating Schedule: On or before May 31, 2018: Compliant submission shall be rated as pass Non-compliant submission shall be rated as data On or after June 1, 2018: Compliant submission shall be rated as pass Non-compliant submission shall be rated as pass					
A	EPA TSCA	40 CFR	Panels or bundles of panels must be labeled with the following:	X	X	X	NA	/
R	Title VI–	770.45(a)	- The panel producer's name					



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	Evaluation	Citation /	Criteria	1	2	3	Result	Rating
		Method		Star	Star	Star		
	Composite wood-Raw panel labeling		 The lot number The number of the EPA TSCA Title VI Third Party Certifier (TPC) A statement of compliance to denote that the panels comply with TSCA Title VI 					
			Notes: A panel producer number may be used instead of a name to protect identity Raw panels are regulated composite wood products that have not been used to create a finished good Compliance with CARB's ATCM for formaldehyde will be accepted in lieu of TSCA Title VI until March 22, 2019. Rating Schedule: On or before May 31, 2018: Compliant submission shall be rated as pass Non-compliant submission shall be rated as data On or after June 1, 2018: Compliant submission shall be rated as pass Non-compliant submission shall be rated as pass					
A R	CARB— Composite wood- Declaration form and mill certificate	Title 17, CA Code of Regulations §93120	If wood of any type is present in the sample, submitter shall provide a completed and signed Sample Declaration Form. Sections A, C, and E of the Sample Declaration Form must always be completed. If regulated composite wood is not present in the sample, result is N/A. If regulated composite wood is present in the sample: Section D of the Sample Declaration Form must also be completed Submitter shall provide a copy of the certificate issued by the Third Party Certifier (TPC) for the mill(s) from which the raw panels were purchased All information on the certificate shall be consistent with the Sample Declaration Form	X	X	X	NA	/
			Notes: Include a copy of the Sample Declaration Form in the report Regulated composite wood includes: Hardwood plywood (HWPW)					



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			Page					
	Evaluation	Citation / Method	Criteria	1 Star	2 Star	3 Star	Result	Rating
			 Medium-density fiberboard (MDF) Thin medium-density fiberboard (Thin MDF) Particleboard (PB) 					
AR	CARB— Composite wood-Finished good labeling	Title 17, CA Code of Regulations §93120.7(d)	Finished goods containing regulated composite wood shall comply with the labeling requirements for fabricators found in §93120.7(d). A finished good containing regulated composite wood requires the following: At a minimum, the label must be on the product OR the packaging The label shall be applied as a stamp, tag, sticker, or bar code The label shall include, at a minimum: Fabricator's name Date the finished good was produced (in month/year format) A statement of compliance to denote that the finished good complies with the ATCM Example: XXX Company MM/YYYY California 93120 phase 2 compliant for formaldehyde Notes: If a finished good is labeled with the EPA compliance statement, a separate statement of compliance to the CARB ATCM is not required. It is not required for the label to state the level of emissions (Phase 2, NAF, ULEF). Labels for finished goods should not include the number of the TPC associated	X	X	X	NA	
A R	CARB- Composite wood-Raw	Title 17, CA Code of Regulations	with the composite wood products contained in the finished good. Panels or bundles of panels must be labeled with the following: The panel producer's name The lot number	X	X	X	NA	/
	panel labeling	§93120.3(e)	 The number of the Third Party Certifier (TPC) A statement of compliance to denote that the panels comply with the ATCM 					



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	Evaluation	Citation / Method	Criteria	1 Sta	2 Star	3 Star	Result	Rating	
			Notes: If a panel or bundle of panels is labeled with the statement, a separate statement of compliance to the required. A panel producer number may be used instead of the TPC number is not required for panel product formaldehyde-based (NAF) resins or ultra low-emic (ULEF) resins Raw panels are composite wood products that has	EPA compliance e CARB ATCM is not a name to protect identity cers using no-added tting formaldehyde					
R	Plastic bag warning statement	US Various state laws / CPSD-GB- 01073-MTHD	60 inches or more At le 40 inches to less than 60 inches At le 25 inches to less than 40 inches At le	r packaging article for shall contain warning bag away from babies and street. This bag is not a toy. In the from smearing or upon contrasted by typography, ther printed matter on the niches, the warning shall dihere to the chart listed of Print bast 24 points bast 18 points bast 14 points bast 10 points	X	X	NA		



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	Evaluation	Citation / Method	Criteria		1 Star	2 Star	3 Star	Result	Rating
R	Canada consumer packaging and labeling regulations	The Consumer Packaging and Labeling Act, R.S. 1985, c. C-38 and Regulations, C.R.C., c. 417	< 32 cm² (5 In²) > 32 cm² but < 258 cm² (40 In²) > 258 cm² but < 645 cm² (100 In²) > 645 cm² but < 25.8 dm² (400 In²) 9.5 n	mum Type mm (1/16 In) mm (1/8 In) mm (1/4 In) mm (3/8 In) mm (1/2 In) Postal Code). Minimum or produced in a country ne following: y the words "imported by"	X	X	X	NA (WITHOUT PACKAGING)	
R	Quebec bilingual requirement - Charter of French Language	Quebec, R.S.Q., c. C- 11	Every inscription on a product, on its container or on its document or object supplied with it, including the direc warranty certificates, must be drafted in French. The Fraccompanied with a translation or translations, but no ir language may be given greater prominence than that in	X	X	X	NA (WITHOUT PACKAGING)	/	
R	Country of origin marking	Canada Customs Tariff / Marking of Imported	a) Imported goods shall indicate country of origin.b) Must be legible and sufficiently permanent to remain reaches the purchaser.c) For goods from NAFTA countries, the language may Spanish.		X	X	X	NA (WITHOUT PACKAGING)	/



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	Evaluation	Citation /	Criteria	1	2	3	Result	Rating
		Method		Star	Star	Star		
		Goods	d) For goods from non-NAFTA countries, language may be English or French and					
		Regulations /	marking should appear on individual articles.					
		SOR-94-10 /	e) If the packaging conceals the Country of Origin mark, then the packaging must					
		Marking of	also be marked.					
		Imported	f) There is a provision to mark only the container providing that certain conditions					
		Goods	are met, such that the ultimate purchaser will see the marked container.					
		Memorandum						
		D11-3-1						
	Mexico	Mexican	The following information is required on product labels:	X	X	X	NA	/
R	packaging	Official	The trademark, name and/or company name and address of manufacturer or				(WITHOUT	
	labeling	Standard	importer.				PACKAGING)	
		NOM - 050 -	The name or generic denomination of the product.					
		SCFI - 2004 /	A quantity designation according to NOM-030-SCFI, "Declaration of quantity in					
		Commercial label specifications."						
		information -	A message indicating the country of origin.					
		General	Risk warnings, if appropriate.					
		regulations	Instructions for use and warnings, where applicable, are to be included in a					
		required for	manual. The label shall read: "SEE MANUAL", or "OPERATION MANUAL."					
		products	An expiration date or preferred consumption date.					
	Mexico	Mexican	Information contained in labels shall:	X	X	X	NA	/
R	language and	Official	Be in Spanish without precluding presentation in other languages. Information				(WITHOUT	
	terms	Standard	presented in other languages should also be in Spanish in at least the same font				PACKAGING)	
		NOM - 050 -	size.					
		SCFI - 2004 /	Be expressed in legible and understandable terms that are clear to consumers.					
		Commercial	Comply with NOM -008-SCFI, General system of measurement units" and NOM					
		information -	- 030-SCFI, "Declaration of quantity in label specifications", without precluding					
		General	other systems. Information expressed in a different system should also have the					
		regulations	same font size.					
		required for	Be included on a label that remains with the item until the moment of use by the					
		products	consumer.					
			Be placed on the principal display panel.					
	Mexico	Mexican	Manuals should be written in Spanish according to the General System of	X	X	X	NA	/
R	operation and	Official	Measurement Units without precluding the addition of other unit				(WITHOUT	



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	Evaluation	Citation /	Criteria	1	2	3	Result	Rating
		Method		Star	Star	Star		
	direction	Standard	systems. Information expressed in other units should also appear in Spanish with				PACKAGING)	
	manuals	NOM - 050 -	the same font size. They shall be issued without additional charge to the					
		SCFI - 2004 /	consumer. Manuals should clearly and precisely indicate conditions for normal					
		Commercial	use, handling, and assembly and include appropriate warnings relative to the safe					
		information -	and reliable handling of the product. They shall include:					
		General	The name or trademark of the producer or importer;					
		regulations	Identification of the product					
		required for	Procedures to install, connect, assemble or maintain the product for adequate					
		products	functioning.					
	Mexico	Mexican	Net contents and dry weight must be located on the main display surface and	X	X	X	NA	/
R	statement of	Official	should be free of any extraneous information. If applicable, the declared drained				(WITHOUT	
	quantity	Standard	mass must be located adjacent to the declaration of the net contents (see example				PACKAGING)	
		NOM-030-	below).					
		SCFI-2006,	MARCA					
		"Statement of	Cont. Net.: XXX					
		Quantity on	Massa Drenada: XXX					
		Labels"	Where the unofficial English translation is:					
			TRADEMARKS					
			Net Contents: XXX					
			Drained Mass: XXX					
			The content and weight data labeling height is a function of the display surface					
			and must correspond to the following:					
			Principal exhibition surface in square Minimum height of the numbers					
			centimeters (cm²) and letters in millimeters (mm)					
			Up to: 32 1.5					
			Greater than: 32 to 161 3					
1			Greater than: 161 to 645 4.5 Greater than: 645 to 2.580 6					
			Greater than: 645 to 2,580 6 Greater than: 2,680 12					
			For products that express their quantity in units of mass or volume, text height					
			must correspond to the following:					



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	Evaluation	Citation /	Criteria	1	2	2	Result	Poting
	Evaluation	Method	Criteria	Stor	_	Stor	Kesuit	Rating
A R	Characteristics of the labeling of containers	Mexican Official Standard NOM-004- SSA1-2013 / NOM-003- SSA1-2006 Sec. 6	Net contents Minimum height of the numbers and letters in millimeters (mm)	X	X	X	NA (WITHOUT PACKAGING)	/
A R	Labeling of paint, ink, varnish, lacquer and enamel	Mexican Official Standard NOM-004- SSA1-2013 / NOM-003- SSA1-2006 Sec. 5.2 / CPSD-AN- 00730-MTHD	the accuracy of information contained. Products for the classification based on the lead content shall meet the labeling requirements as specified in the standard. Note: vendor shall provide the formulation of the product and shall be responsible for the accuracy of information contained.	X	X	X	NA	/
A	Labeling of	Mexican	Must contain the number or code of manufacturing, assigned by the manufacturer	X	X	X	NA	/



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Evaluation	Citation /	Criteria	1	2	3	Result	Rating	
	Method		Star	Star	Star			

	Evaluation	Citation /	Criteria		2	3	Result	Rating
		Method		Star	Star	Star		
R	paint, ink,	Official	for its identification, as well as the lot number and date of manufacture.					
	varnish,	Standard	Should include pictogram below in an area of no less than 1.5% of the total					
	lacquer and	NOM-004-	surface of the label. The frame of the pictogram must be red, the symbol black and					
	enamel -	SSA1-2013 /	the background besides the following reading:					
	general	NOM-003-	a) All products object of this standard, except those manufactured for school use:					
	information	SSA1-2006	▲					
		Sec. 7	^					
			\ ! /					
			\'' /					
			▼					
			ATENCION					
			ATENCION					
			NOCIVO EN CASO DE INGESTION					
			b) The products manufactured for school use					



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	Englandia	Citation /	Cuttouto	1	2	2		42 01 54
	Evaluation	Citation / Method	Criteria	Star	2 Star	3 Star	Result	Rating
		Memou		Star	Star	Star		
			ATENCION NO SE INGIERA					
			No SE INSELIA					
A R	Made in USA origin claims- Doc	FTC Act Section 5a / California BPC Division 7 Part 3 Chapter 1 Article 2 Section 17533.7	Products with a "Made in USA" or equivalent claim must be "all or virtually all" made in the US in accordance with FTC's criteria. It is unlawful for any person, firm, corporation or association to sell or offer for sale in California any merchandise with a "Made in USA" or equivalent claim when the merchandise or any article, unit, or part thereof, has been entirely or substantially made, manufactured, or produced outside of the United States. Vendor must submit a letter of guarantee that a product with such claim fits the FTC and California requirements to carry such a statement. Qualifying statements such as "Made in USA of imported material" are acceptable but the letter of guarantee is still required for the unqualified portions. Note: Compliance with the FTC or California requirements can not be verified.	X	X	X	NT	/
AN	NALYTICAL							
A R	Heavy metal in packaging	Model Toxics in Packaging Legislation of the Toxics in Packaging Clearinghouse	The sum of concentration levels of lead, cadmium, mercury and hexavalent chromium in packaging or packaging components shall not exceed 100 mg/kg (100 ppm) by weight. Note: - Total chromium (Cr) is determined first. Confirmation of hexavalent chromium (Cr VI) will be performed when concentration of total chromium is above the	X	X	X	NT	/
		(TPCH) /	detection limit and sum of concentration of four heavy metals is exceeded the					



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	Tage 40 of C							
	Evaluation	Citation /	Criteria	1	2	3	Result	Rating
		Method		Star	Star	Star		
		CPSD-AN-	limit.					
		00065-MTHD						
A	Heavy metal in	Model Toxics	The sum of concentration levels of lead, cadmium, mercury and hexavalent	X	X	X	NT	/
R	packaging-Doc	in Packaging	chromium in packaging or packaging components shall not exceed 100 mg/kg					
		Legislation of	(100 ppm) by weight.					
		the Toxics in	In lieu of testing, test report can be submitted if dated within One year.					
		Packaging						
		Clearinghouse						
		(TPCH) /						
		CPSD-GB-						
		00001-MTHD						



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Protocol Number	CPSD-AN-08444-USA	A		Version	31			
Protocol Description	CPSIA REQUIREMEN	NTS SUPPLEMENT						
Country	United States							
Scope	This protocol applies to toys, children products and child care article as defined by CPSIA, all furniture, including adult furniture, and household paint.							
Creation Date	29/Apr/2014	Last Revision Date	05/Jun/2018					
Client Approval Date		Approver						
No of Sample	6							
No of Working Days	7							

Keys							
A	Additional Charge For This Test	M	Mandatory	R	Regulatory		

	Evaluation	Citation / Method	Criteria	1	2	3	Result	Rating
				Star	Star	Star		
LA	BELING							
	Tracking label	CPSIA 103	A permanent and distinguishing mark or code on the product and its	X	X	X	M	PASS
R	for children's		packaging, to the extent practicable, allows the manufacturer and purchaser					
	products		to ascertain the name of the manufacturer or private labeler, location and					
			date of production of the product.					
			Verified the presence only. The accuracy of tracking label will not be					
			verified.					
			Note: Manufacturer or Private Labeler name can not be coded.					
Α	Registration for	CPSIA Sec.	Consumer registration requirement:	X	X	X	NA	/
R	durable nursery	104(d) / 16 CFR	Required to provide consumers with a postage-paid consumer registration					
	product	1130	form with each such product and to permanently place the manufacturer					
			name and contact information, model name and number, and the date of					
			manufacture on each durable infant or toddler product.					
			Requirements for registration form:					
			The registration form shall					



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	Evaluation	Citation / Method	Criteria	1	2	3	Result	Rating
				Star	Star	Star		
			(A) include spaces for a consumer to provide the consumer's name,					
			address, telephone number, and e-mail address;					
			(B) include space sufficiently large to permit easy, legible recording of all					
			desired information;					
			(C) be attached to the surface of each durable infant or toddler product so					
			that, as a practical matter, the consumer must notice and handle the form					
			after purchasing the product;					
			(D) include the manufacturer's name, model name and number for the					
			product, and the date of manufacture;					
			(E) include a message explaining the purpose of the registration and					
			designed to encourage consumers to complete the registration;					
			(F) include an option for consumers to register through the Internet; and					
			(G) include a statement that information provided by the consumer shall					
			not be used for any purpose other than to facilitate a recall of or safety alert					
			regarding that product.					
			"Durable infant or toddler product" means full-size cribs and nonfull-size					
			cribs, toddler beds, high chairs, booster chairs, hook-on chairs, bath seats,					
			gates and other enclosures for confining a child, play yards, stationary					
			activity centers, infant carriers, strollers, walkers, swings, bassinets and					
			cradles, children's folding chairs, changing tables, bouncers, infant bath					
			tubs, bed rails and infant sling.					
Al	NALYTICAL	_						
Α	Total lead in	16 CFR	All accessible surface coatings, before and after use and abuse testing, on	X	X	X	NA	/
R	surface coating	1303/Consumer	items intended for children ages 12 and under shall not contain lead or lead					
		Product Safety	components in which the lead content is in excess of 0.009% (90ppm) of					
		Improvement Act	the weight of the total content.					
		of 2008 / CPSC-	In case of insufficient coating for testing found on number of samples					
		CH-E1003-09.1 /	specified in the protocol, vendor needs to provide additional component					
		CPSD-AN-00001-	parts (including raw materials) for testing.					
		MTHD	Report actual results or include data table within report.					
			Issue a third party test report.					
			Component testing is allowed.					
			Based on CPSC SOP, will composite up to 3 colors. If any color in the					
			composite exceeds 80% of the limit (72 ppm), based on the lowest weight	ĺ	ĺ			



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	Evaluation	Citation / Method	Criteria	1	2	3	Result	Rating
				Star	Star	Star		
			component, individual colors will be analyzed.					
Α	Total lead in	16 CFR	All accessible surface coatings in the assembled state on adult furniture	X	X	X	NA	/
R	surface coating	1303/Consumer	[exempt factory applied coatings on metal components/parts] and					
		Product Safety	household paint shall not contain lead or lead components in which the					
		Improvement Act	lead content is in exceed of 0.009% (90ppm) of the weight of the total					
		of 2008 / CPSC-	content.					
		CH-E1003-09.1 /	In case of insufficient coating for testing found on number of samples					
		CPSD-AN-00001-	specified in the protocol, vendor needs to provide dipped parts or					
		MTHD	components/parts for testing.					
			Report actual results or include data table within report.					
			Issue a program audit report.					
			Component testing is allowed.					
			Based on CPSC SOP, will composite up to 3 colors. If any color in the					
			composite exceeds 80% of the limit (72 ppm), based on the lowest weight					
			component, individual colors will be analyzed.					
A	Total lead in	Consumer Product	All accessible substrates, before and after use and abuse testing, on items	X	X	X	M	PASS
R	substrate	Safety	intended for children ages 12 and under shall not contain lead in excess of				(SEE	
		Improvement Act	0.01% (100ppm) of the weight of the total content.				RESULTS)	
		of 2008 / CPSC-	In case of insufficient material for testing found on number of samples					
		CH-E1001-	specified in the protocol, vendor needs to provide components/parts for					
		08.3/CPSC-CH-	testing.					
		E1002-08.3 /	Report actual results or include data table within report.					
		CPSD-AN-00185-	Issue a third party test report.					
		MTHD/CPSD-	Component testing is allowed.					
		AN-00196-MTHD	Compositing up to 3 like materials is allowed except metal.					
A	Total lead in	Consumer Product	Any accessible metal component of jewelry intended for children ages 12	X	X	X	NA	/
R	children metal	Safety	and under shall not contain lead in excess of 0.01% (100ppm) of the					
	jewelry	Improvement Act	weight of the total content.					
		of 2008 / CPSC-	Report actual results or include data table within report					
		CH-E1001-08.3 /	Issue a third party test report					
		CPSD-AN-00185-	Component testing is allowed					
		MTHD	Compositing is not allowed					
Α	Phthalates	16 CFR 1307 /	Children's toys and childcare articles, before and after use and abuse	X	X	X	M	PASS



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				_	_		47 01 54	
	Evaluation	Citation / Method	Criteria	1	2	3	Result	Rating
				Star	Star	Star		
R	content	CPSC-CH-C1001-	testing, shall not contain concentrations of more than 0.1% BBP, DBP,				(SEE	
		09.3 (Mod) /	DEHP, DINP, DIBP, DPENP(=DnPP), DHEXP(=DnHP) or DCHP				RESULTS)	
		CPSC-CH-C1001-	individually.					
		09.4 (Mod) /	Actual testing would be conducted on all accessible plastics materials					
		CPSD-AN-00143-	(including natural and synthetic rubber) (excluding materials listed below),					
		MTHD	plasticizer print, scrapable surface coatings, decals, polymeric coated					
			materials (unscrapable), adhesives and sealants (exclude adhesive for					
			stickers), toy nail polish, reusable packaging, electrical plug and cables.					
			Polypropylene (PP), polyethylene (PE), acrylonitrile butadiene styrene					
			(ABS), general purpose polystyrene (GPPS), medium-impact polystyrene					
			(MIPS), high-impact polystyrene (HIPS), and super high-impact					
			polystyrene (SHIPS), and their additives as listed in 16 CFR 1308 are					
			exempt from testing, however, they are not exempt from compliance or					
			certification.					
			If material identification is not provided, phthalate testing will be					
			conducted on all plastic materials.					
			Vendor shall be responsible for the compliance of all other accessible					
			materials, including additives in the exempt plastic materials.					
			In case of insufficient material for testing found on number of samples					
			specified in the protocol, vendor needs to provide components/parts for					
			testing.					
			Report actual results or include data table within report.					
			Component testing is allowed.					
			Compositing up to 3 like materials is allowed.					
			Product manufactured and imported as of April 25, 2018 must comply.					

IMPORTANT NOTE: The information presented under the "Criteria" of this protocol is for information only and does not replace the content of the standard. Details of the requirements should be referred to the original standards.



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Protocol Number	CPSD-AN-06001-USA-3 STA	.R		Version	12				
Protocol Description	FOOD CONTACT ARTICLE								
Country	United States								
Scope	This protocol covers the food g	grade tests for articles into	ended to contact with food a	nd beverage.					
Creation Date	29/Apr/2014	Last Revision Date	05/May/2017						
Client Approval Date		Approver							
No of Sample		Please refer to supplemental protocols.							
No of Carton for Transit Test		Please refer to supplemental protocols.							
No of Working Days		Please refer to supplem	ental protocols.						

A Additional Charge For This Test M Mandatory R Regulatory	Keys					
	A	Additional Charge For This Test	M	Mandatory	R	

	Evaluation	Citation / Method	Criteria	1	2	3	Results	Rating
				Star	Star	Star		
SU	PPLEMENTARY P	ROTOCOL						
Α	Plastic	CPSD-AN-PTCL-	Shall meet the applicable requirements in CPSD-AN-PTCL-06001.01-	X	X	X	SEE	/
		06001.01-USA	USA as specified.				PROTOCOL	
							CPSD-AN-	
							PTCL-	
							06001.01-	
							USA	
Α	Paper and	CPSD-AN-PTCL-	Shall meet the applicable requirements in CPSD-AN-PTCL-06001.02-	X	X	X	NA	/
	paperboard	06001.02-USA	USA as specified.					
Α	Ceramic,	CPSD-AN-PTCL-	Shall meet the applicable requirements in CPSD-AN-PTCL-06001.03-	X	X	X	NA	/
	porcelain, glass	06001.03-USA	USA as specified.					
Α	Wood	CPSD-AN-PTCL-	Shall meet the applicable requirements in CPSD-AN-PTCL-06001.04-	X	X	X	NA	/
		06001.04-USA	USA as specified.					
A	Metal, metal alloy	CPSD-AN-PTCL-	Shall meet the applicable requirements in CPSD-AN-PTCL-06001.05-	X	X	X	NA	/
	and enamel	06001.05-USA	USA as specified.					



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	Evaluation	Citation / Method	Criteria	1	2	3	Results	Rating		
				Star	Star	Star				
AN	ALYTICAL									
A R	GRAS in non- metal material- Doc	21 CFR 170-189 FDA Generally Recognized as Safe (GRAS) Guidelines/FDA Opinion / CPSD- AN-G00007- STIP01 / CPSD- AN-G00007- STIP02 / CPSD- GB-00001-STIP03	Non-metal material intended to come into contact with food shall meet FDA GRAS requirement. All additives in that material, such as glue shall also meet FDA GRAS requirement. Client shall provide the documentation with material bill or composition for material identification. It is acceptable for the client to submit either a FDA approval letter or, if there is information from FDA showing the material is acceptable, a guarantee letter indicating the material is the only food grade material used in the manufacturing process can also be accepted.	Х	X	X	NA	/		
A R	Scrapable coatings on food contact areas	21 CFR 170-189 FDA Generally Recognized as Safe (GRAS) Guidelines / CPSD-AN- G00007-STIP02 / CPSD-AN-00002- STIP01	Scrapable coatings on the food contact area are prohibited. This includes all food contact products, including glass, plastic, metal, ceramic and wood. Excludes resinous and polymeric coatings that comply with 21 CFR 175.300.	X	X	X	NA	/		
A R	Toxicological risk assessment in liquid and gel	16 CFR 1500.3(b)(5) and 1500.3(b)(7)-(9) / CPSD-AN-00033- MTHD	Sealed liquids and gels in food contact components or products that have the potential to accidentally leak into food or drinks, must not be toxic, skin irritant, eye irritant, corrosive, or a strong sensitizer. Toxicity risk assessment shall be conducted to substantiate the compliance of the regulation. Note: Products including but not limited to double walled cups and reusable ice cubes.	X	X	X	NA	/		

Note 1: CPSD-AN-PTCL-06001.04-US will be offered to program client only.



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Protocol Number	CPSD-AN-06001.01-USA			Version	14							
Protocol Description	PLASTIC FOOD CONTA	CT ARTICLE										
Country	United States	ed States										
Scope	This protocol covers the fo	protocol covers the food grade tests for articles, which are made of plastic, intended to contact with food and beverage.										
Creation Date	12/Feb/2010	Last Revision Date	04/Jan/2017									
Client Approval Date		Approver										
No of Sample	4	Additional sample may	Additional sample may be requested if insufficient.									
No of Working Days	7											

Keys					
A	Additional Charge For This Test	M	Mandatory	R	Regulatory

	Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
SU	PPLEMENTARY PRO	TOCOL				
A M	California Proposition 65	CPSD-AN-PTCL- 06572-USA	-	The sample should be reviewed against the requirements of California Proposition 65 to determine if additional testing or labeling is required. For samples that fall under the scope of CA Prop 65 requirements with testing limit(s) but does not contain appropriate labeling (refer to image appendix for detail), actual testing will be conducted. Otherwise, actual testing is not required and report as "Pass" if the sample contains appropriate labeling.	NA	/
AN	ALYTICAL		•		•	
A R	Resinuous and polymeric coating	FDA 21 CFR 175.300 / CPSD- AN-00002- MTHD	-	Shall comply with FDA 21 CFR 175.300 requirements. Note: No test for dry food. Dry food means no free fat or oil on the surface. BPA-based epoxy resin coatings are not allowed to use in food contact packaging for infant formula.	NA	/
A R	Acrylic and modified acrylic	FDA 21 CFR 177.1010 / CPSD-	-	Shall comply with FDA 21 CFR 177.1010 requirements. Note:	NA	/



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	Evaluation Citation / Method		No. of Samples	Criteria	Results	Rating
	plastic	AN-00002- MTHD		- No test for dry food. Dry food means no free fat or oil on the surface.		
A R	Closures with sealing gaskets	FDA 21 CFR 177.1210 / CPSD- AN-00002- MTHD	-	Closure-sealing gasket of closures shall comply with FDA 21CFR 177.1210 requirements. Note: - No test for dry food. Dry food means no free fat or oil on the surface. - Gaskets are only tested according to gasket requirements of FDA 21 CFR 177.1210. Vendor shall be responsible for the compliance of the material requirements, unless testing of material is requested.	M (SEE REUSLTS)	PASS
A R	Ethylene vinyl acetate copolymers	FDA 21 CFR 177.1350 / CPSD- AN-00002- MTHD	-	Shall comply with FDA 21CFR 177.1350 requirements. Note: - Apply tests stated in 21CFR 177.1350 section (b)(1) only No test for dry food. Dry food means no free fat or oil on the surface.	NA	/
A R	Melamine- formaldehyde resins in molded articles	FDA 21 CFR 177.1460 / CPSD- AN-00002- MTHD	-	Shall comply with FDA 21CFR 177.1460 requirements. Note: - No test for dry food. Dry food means no free fat or oil on the surface.	NA	/
A R	Nylon resins or polyamide	FDA 21 CFR 177.1500 / CPSD- AN-00002- MTHD	-	Shall comply with FDA 21CFR 177.1500 requirements. Note: - Applicable to nylon resins stated in FDA 21 CFR 177.1500 section (b) table, except Nylon 6/12 resins in point 13.1 and 13.2, Nylon 6/69 resins in point 14 and Nylon resin PA 6-3-T in point 16.	NA	/
A R	Olefin polymers	FDA 21 CFR 177.1520 / CPSD- AN-00002- MTHD	-	Shall comply with FDA 21CFR 177.1520 requirements. Note: - Applicable to olefin polymers, including but not limited to polypropylene (PP) homopolymer, polypropylene (PP) copolymer and polyethylene (PE).	M (SEE REUSLTS)	PASS
A R	Polycarbonate resins	FDA 21 CFR 177.1580 / CPSD- AN-00002- MTHD	-	Shall comply with FDA 21CFR 177.1580 requirements. Note: - Apply tests stated in 21CFR 177.1580 section (c)(2) only Polycarbonate resins is not allowed to use in infant feeding bottles (baby bottles)	NA	/



Crosslinked polyester resins

FDA 21 CFR

177.2420 / CPSD-

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PASS

	Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
				and spill-proof cups including their closures and lids, designed to help train babies and toddlers to drink from cups (sippy cups).		
A R	Polyethylene phthalate polymers	FDA 21 CFR 177.1630 / CPSD- AN-00002- MTHD	-	Shall comply with FDA 21CFR 177.1630 requirements. Note: - Applicable to article with condition of use stated in 21CFR 177.1630 section (f), (g) and (i) only.	NA	/
A R	Polystyrene or rubber-modified polystyrene	FDA 21 CFR 177.1640 / CPSD- AN-00134- MTHD	-	Shall comply with FDA 21CFR 177.1640 requirements. Note: - Apply tests stated in 21CFR 177.1640 section (c) only.	NA	/
A R	Styrene block polymer	FDA 21 CFR 177.1810 / CPSD- AN-00002- MTHD	-	Shall comply with FDA 21CFR 177.1810 requirements. Note: - Apply solubility and maximum extractable fraction tests only.	NA	/
A R	Styrene-methyl methacrylate copolymer	FDA 21 CFR 177.1830 / CPSD- AN-00002- MTHD	-	Shall comply with FDA 21CFR 177.1830 requirements. Note: - No test for dry food. Dry food means no free fat or oil on the surface.	NA	/
A R	Urea-formaldehyde resins in molded articles	FDA 21 CFR 177.1900 / CPSD- AN-00002- MTHD	-	Shall comply with FDA 21CFR 177.1900 requirements. Note: - No test for dry food. Dry food means no free fat or oil on the surface.	NA	/
A R	Polyvinyl chloride	FDA 21 CFR 177.1975 (draft) / CPSD-AN- 00099-MTHD	-	Shall comply with FDA 21CFR 177.1975 (draft) requirements.	NA	/
A R	Phenolic resins in molded articles	FDA 21 CFR 177.2410 / CPSD- AN-00427- MTHD	-	Shall comply with FDA 21CFR 177.2410 requirements. Note: - Applicable to repeated use articles in contact with non-acid food (pH above 5.0) only.	NA	/

Shall comply with FDA 21CFR 177.2420 requirements.

Note:



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	Evaluation Citation / No. of Criteria					Detina
	Evaluation	Method	Samples	Criteria	Results	Rating
Г		AN-00002- MTHD	Samples	 Applicable to repeated use articles or components of articles intended to contact with food. No test for dry food. Dry food means no free fat or oil on the surface. 	REUSLTS)	
A R	Polyoxymethylene copolymer	FDA 21 CFR 177.2470 / CPSD- AN-00002- MTHD	-	Shall comply with FDA 21CFR 177.2470 requirements. Note: - Applicable to both finished product and raw material. - Applicable to repeated use articles or components of articles intended to contact with food, but use temperature shall not exceed 250 °F. - No test for dry food. Dry food means no free fat or oil on the surface. - Apply tests stated in 21CFR 177.2470 section (d) only.	NA	/
A R	Polyoxymethylene homopolymer	FDA 21 CFR 177.2480 / CPSD- AN-00002- MTHD	-	Shall comply with FDA 21CFR 177.2480 requirements. Note: - Applicable to both finished product and raw material. - Applicable to repeated use articles or components of articles intended to contact with food, but use temperature shall not exceed 250 °F. - No test for dry food. Dry food means no free fat or oil on the surface. - Apply tests stated in 21CFR 177.2480 section (c)(3-4) and (d) only. - For finished product, apply density, melting point and soluble extractive tests only. - For raw material, apply density, melting point, formaldehyde release and soluble extractive tests only.	NA	/
A R	Rubber intended for repeated use	FDA 21 CFR 177.2600 / CPSD- AN-00002- MTHD	-	Shall comply with FDA 21CFR 177.2600 requirements. Note: - Not applicable to rubber nursing-bottle nipples.	NA	/
A R	Acrylonitrile copolymer and resins	FDA 21 CFR 181.32 / CPSD- AN-00155- MTHD	-	Shall comply with FDA 21CFR 181.32 requirements. Note: - Test acrylonitrile copolymer and resins with acrylonitrile less than 30% only.	NA	/
A R	Polyethersulfone resins	FDA 21 CFR 177.2440 / CPSD- AN-00002- MTHD	30g	Shall comply with FDA 21CFR 177.2440 requirements.	NA	/



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