



TEST REPORT

CIXI ESSAY OUTDOOR AND LEISURE CO.,LTD

Technical Report: (2421)158-9018

Jun.21,2021

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JACK SUN
CIXI ESSAY OUTDOOR AND LEISURE CO.,LTD
NO.,433,SONGPU Rd,Binhai Economic Development Zone,CIXI
CITY,CHINA

SAMPLE INFORMATION:

Sample Description:	LAMINATED POLYESTER	Sample Quantity:	N/A
Vendor:	N/A	Style No(s):	440-001VT 440-001YL 440-001GN 440-001RD 440-005 440-013 440-008BU 440-008OG 5664-0034NEW 5664-0036NEW 5664-0079NEW 5664-0086RB 5664-0086WB 5664-0086YB 5664-0101BG 5664-0101RB 5664-0101YB 5664-1098 5664-1099 61-0003 61-0004 440-007 440-026 440-089 440-019RD
Manufacturer:	N/A	SKN/SKU No.:	N/A
Buyer:	N/A	PO No.:	N/A
Labeled Age Grade:	N/A	Ref #:	N/A
Appropriate Age Grade:	N/A	Country of Origin:	N/A
Client Specified Age Grade:	N/A	Assortment No.:	N/A
Tested Age Grade:	N/A	Country of Destination:	N/A
UPC Code:	N/A	Color :	N/A

EXECUTIVE SUMMARY:

TEST REQUESTED	CONCLUSION
Migration of Certain Elements - EN 71 Part 3: 2019	PASS

BVCPS (ZHEJIANG) GENERAL CONTACT INFORMATION FOR THIS REPORT

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Tested Component(s) Breakdown List

Test Item(s)	Description	Location(s)	Style(s)
1	Blue fabric	-	-
2	Gray fabric	-	-
3	Red fabric	-	-
4	White fabric	-	-
5	Green fabric	-	-
6	Purple fabric	-	-

Migration of Certain Elements - EN 71 Part 3: 2019

Test Method : European Standard EN 71 Part 3: 2019, Section 8.

See Soluble Element (Parameter) and its corresponding Maximum Allowable Limit (Req.) in Result Table	Category I	Dry, brittle, powder-like or pliable toy material
	Category II	Liquid or sticky toy material
	Category III	Scraped-off toy material

-	Unit	Req.	Result					
Test Item(s)	-		1	2	3	4	5	6
Category	-	III	III	III	III	III	III	III
Parameter	-	-	-	-	-	-	-	-
Mass of Trace Amount	g	-	-	-	-	-	-	-
Boron (B)	mg/kg	15000	<1500	<1500	<1500	<1500	<1500	<1500
Aluminium (Al)	mg/kg	70000	<7000	<7000	<7000	<7000	<7000	<7000
Chromium III (Cr III)	mg/kg	460	<46	<46	<46	<46	<46	<46
Chromium VI (Cr VI)	mg/kg	0.053	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	mg/kg	15000	<1500	<1500	<1500	<1500	<1500	<1500
Cobalt (Co)	mg/kg	130	<13	<13	<13	<13	<13	<13
Nickel (Ni)	mg/kg	930	<93	<93	<93	<93	<93	<93
Copper (Cu)	mg/kg	7700	<770	<770	<770	<770	<770	<770
Zinc (Zn)	mg/kg	46000	<4600	<4600	<4600	<4600	<4600	<4600
Arsenic (As)	mg/kg	47	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7
Selenium (Se)	mg/kg	460	<46	<46	<46	<46	<46	<46
Strontium (Sr)	mg/kg	56000	<5600	<5600	<5600	<5600	<5600	<5600
Cadmium (Cd)	mg/kg	17	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Tin (Sn)	mg/kg	180000	<18000	<18000	<18000	<18000	<18000	<18000
Organic tin	mg/kg	12	<12*	<12*	<12*	<12*	<12*	<12*
Antimony (Sb)	mg/kg	560	<56	<56	<56	<56	<56	<56
Barium (Ba)	mg/kg	18750	<1875	<1875	<1875	<1875	<1875	<1875
Mercury (Hg)	mg/kg	94	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4
Lead (Pb)	mg/kg	23	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3
Conclusion	-	-	PASS	PASS	PASS	PASS	PASS	PASS

Note / Key:

Req. = Requirement

mg/kg = milligram per kilogram

Remark :

- @Results of Cr III and Cr VI were reported as sum of soluble chromium content unless further verified.
- If combined Cr content exceeds 0.02mg/kg in I mat., 0.005 mg/kg in II mat., or 0.053mg/kg in III mat., confirmation Cr(VI) by IC , Cr(III)=Combined Cr – Cr(VI).
- Result(s) of organic tin was (were) calculated by assuming the soluble tin content was wholly contributed from tributyltin (TBT) cation unless further specified.
- *Result(s) of organic tin was (were) reported as soluble tin content.
- If total tin content in sample exceeds 0.369mg/kg in I mat., 0.082mg/kg in II mat., or 4.915mg/kg in III mat., the sample is required for organic tin analysis.
- The European Commission amended the maximum allowable limit(s) of migratable chromium VI of European Parliament and Council Directive 2009/48/EC in particular regarding to Annex II, Part III, Point 13. See details in Comment.
- The European Commission proposed to amend the maximum allowable limit(s) of migratable aluminium of European Parliament and Council Directive 2009/48/EC in particular regarding to Annex II, Part III, Point 13 in order to ensure the alignment to the scientific evidence from The Scientific Committee on Health, Environmental and Emerging Risks (SCHEER) and increase children's safety. See details in Comment.
- European Standard EN 71 Part 3: 2019 is going to be harmonized under European Parliament and Council Directive 2009/48/EC in October 2019 and European Standard EN 71 Part 3: 2013 with Amendment A3: 2018 will be superseded.
- The pH measured shall be reported after migration if it was outside the range of 1.1 to 1.3.
- The received sample(s) contained accessible component(s) of less than 10 milligrams by weight on one single sample, therefore such component(s) was (were) not subject to migration of certain elements of European Standard, "Safety of Toys, EN 71 Part 3: 2019", as specified in Section 7.1 - Selection of test portions.

Comment :

Proposals to amendment of European Parliament and Council Directive 2009/48/EC, Annex II, Part III, Point 13 :			
-	Type I	Type II	Type III
Element(s)	Aluminium (Al)	Aluminium (Al)	Aluminium (Al)
Current	5 625 mg/kg	1 406 mg/kg	70 000 mg/kg
Proposed[b]	2 250 mg/kg	560 mg/kg	28 130 mg/kg
[b] denotes as these maximum allowable limits are referenced from the proposal for a European Commission Directive amending European Parliament and Council Directive 2009/48/EC, Annex II, Part III, Point 13, notified through World Trade Organization (WTO) dated on December 10, 2018 (With Notification Number G/TBT/N/EU/626). The proposal is expected to be adopted in the second quarter of Year 2019 and enter into application 18 months after publication in the Official Journal of the European Union (OJEU).			



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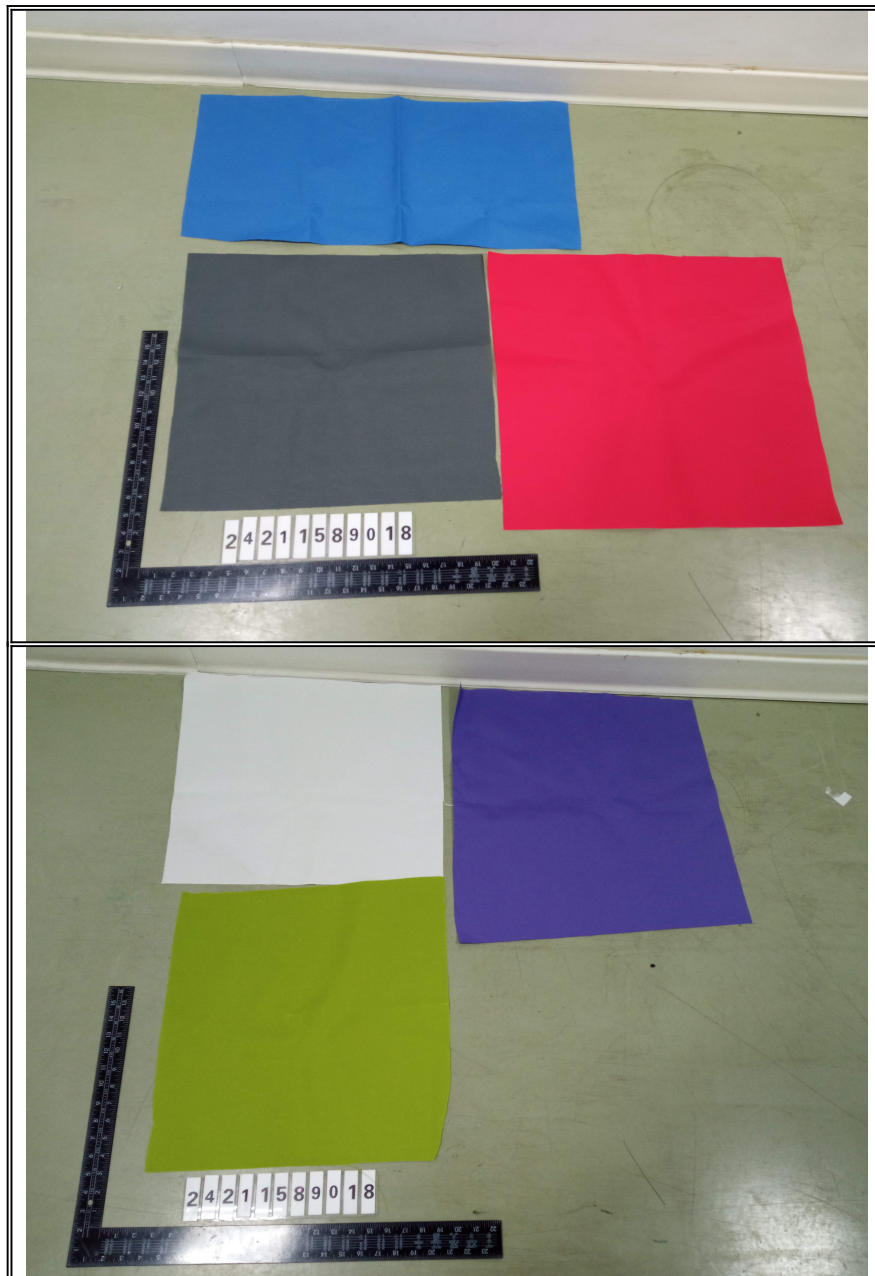
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SAMPLE REFERENCE PHOTO:



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