

Test Report

NUMBER : TSNH00333200

Date : Jun 01, 2020

Photo



To be continued

Authorized By :
For Intertek Testing Services
(Tianjin) Ltd.



David Zhang
Senior Manager



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Sample Description:

One (1) submitted sample said to be
Item Name : KIDS BED
Item No. : HM-MB-1936A

Tests Conducted:

As requested by the applicant, for details refer to attached page(s).

Conclusion:

<u>Tested Sample</u>	<u>Standard</u>	<u>Result</u>
Submitted Sample	EN 716-1/2:2017+AC:2019 Furniture – children’s cots and folding cots for domestic use	Pass (see remark)

Remark: Only artwork of instruction and labeling were provided by applicant, the permanence of labeling and font size of instruction were not assessed.

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CHILDREN'S COTS AND FOLDING COTS FOR DOMESTIC USE

With reference to EN 716-1/2:2017+AC:2019 Furniture – Children's cots and folding cots for domestic use , the submitted sample was subjected to the following tests:

Number of Sample Tested: one(1) Piece

Initial inspection: no any damage was found

Executive Summary:

Clause	Test items	Verdict
1	Scope	-
2	Normative reference	-
3	Terms and definitions	-
4	Safety requirements	-
4.1	General	-
4.2	Materials	-
4.2.1	Materials and surfaces	P (See Test Data #1)
4.2.2	Flammability of textiles, coated textiles and plastics coverings	NA
4.3	Initial stability	P
4.4	Construction	-
4.4.1	General	-
4.4.1.1	Edges and protruding parts	P
4.4.1.2	Self-tapping screws	P
4.4.1.3	Labels and decals	P
4.4.1.4	Small parts	P
4.4.1.5	Castors and wheels	NA
4.4.2	Holes, gaps and openings on the inside of the cot	-
4.4.2.1	General	P
4.4.2.2	Assembly holes	P
4.4.2.3	Distance between cot base and sides and ends	P
4.4.2.4	Openings in mesh sides and ends	NA
4.4.2.5	Distance between slats of the cot base	P
4.4.2.6	Openings in mesh of the cot base	NA
4.4.3	Head entrapment on the outside of the cot	P
4.4.4	Shear and squeeze points	-
4.4.4.1	Shear and squeeze points when setting up and folding	NA
4.4.4.2	Shear and squeeze points under the influence of powered mechanisms	NA
4.4.4.3	Shear and squeeze points during use	P

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4.4.5	Snag points	P
4.4.6	Locking systems	-
4.4.6.1	Locking systems for folding cots	NA
4.4.6.2	All locking systems	NA
4.4.7	Cot base	-
4.4.7.1	Folding mattress base and cot base	NA
4.4.7.2	Adjustable cot base	P
4.4.7.3	Strength of the cot base	P
4.4.8	Sides and ends	-
4.4.8.1	Movable sides	NA
4.4.8.2	Distance between footholds and top of cot sides and ends	P
4.4.8.3	Strength of side and end components	P
4.4.8.4	Strength of frame and fastenings	P
4.4.9	Cot rim	P
4.5	Final Stability	P
4.6	Mattress size	NA
5	Packaging	NA
6	Instructions for use	P (see remark)
7	Marking	P (see remark)

Abbreviation: **P**=Pass; **NA**=Not Applicable

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Test data

#1. 19 Toxic Elements Migration Test

(A) Test Result

As per EN 71-3:2019 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Argon Mass Spectrometry, Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry, and Gas Chromatographic - Mass Spectrometry.

Category (III): Scraped-off toy material

<u>Element</u>	<u>Result (mg/kg)</u>	<u>Limit (mg/kg)</u>
	(1)	
Aluminium (Al)	< 300	70000/28130©
Antimony (Sb)	< 10	560
Arsenic (As)	< 10	47
Barium (Ba)	436	18750
Boron (B)	< 50	15000
Cadmium (Cd)	< 5	17
Chromium (III) (Cr III) **	< 10	460
Chromium (VI) (Cr VI) **	< 0.025#	0.053
Cobalt (Co)	< 10	130
Copper (Cu)	< 10	7700
Lead (Pb)	< 10	23
Manganese (Mn)	< 10	15000
Mercury (Hg)	< 10	94
Nickel (Ni)	< 10	930
Selenium (Se)	< 10	460
Strontium (Sr)	< 100	56000
Tin (Sn)	< 10	180000
Organic tin **	< 3.0	12
Zinc (Zn)	< 100	46000

Remark: mg/kg = Milligram per kilogram based on dry weight of sample

++ = Unless the test results were marked with "#" or "Δ", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.

© = The new Aluminium (Al) migration limit [2250mg/kg for Category (I), 560mg/kg for Category (II), 28130mg/kg for Category (III)] was quoted from directive (EU) 2019/1922 amending 2009/48/EC effective from 20 May 2021.

= Confirmation of Chromium (VI) test was performed on the tested component. And the reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium(VI).

Test Component:

(1) Grey coating for sample use

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(B) Categories of various toy materials

Category I: Dry, brittle, powder like or pliable

Solid toy material from which powder-like material is released during playing and semi-solid materials that may also leave residues on the hands during play. The material can be ingested. Contamination of the hands with the material may contribute to the oral exposure of the material. (e.g. the cores of colouring pencils, chalk, crayons, modelling clays and plaster).

Category II: Liquid or sticky

Fluid or viscous toy material, which can be ingested or to which dermal exposure may occur during playing. (e.g. liquid paints, finger paints, liquid ink in pens, glue sticks, slimes, bubble solution).

Category III: Scraped-off

Solid toy material with or without a coating, which can be ingested as a result of biting, tooth scraping, sucking or licking. (e.g. coatings, lacquers, plastics, paper, textiles, glass, ceramic, metallic, wooden, bone, leather and other materials).

Date sample received: Dec 21, 2019

Testing period: Dec 21, 2019 To Jun 01, 2020

End of report

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