

Report No.: 0154220911a 001

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Client:

Test item(s): Toy

Identification/ KID'S BARROW WITH PLASTIC TRAY

Model No(s): WB0206

Sample Receiving date: 2017-01-04

Testing Period: 2017-01-04 - 2017-01-16

Test Specification:

1. EN 71 - 1 : 2014 Mechanical and physical properties
2. 2009/48/EC CE marking
3. 2009/48/EC Labeling Requirement
(Importer/ Manufacturer Mark, Product Identification, Washing/ Cleaning instruction)
4. EN 71 - 2 : 2011+A1 :2014 Flammability
5. EN71-3:2013+A1:2014 Migration of 19 Elements
6. Organic Tin content

Test result:

PASS

PASS

Please refer to test page

PASS

PASS

PASS

Other information:

Country of origin: China

Packaging provided: Artwork

The provided age grade of the item: Over 48 months.

The appropriate age grade of the item: Over 36 months.

The item was tested over 36 months.

For and on behalf of
TÜV Rheinland (Shanghai) Co., Ltd.



2017-01-17

Wice Wang / Section Manager

Date

Name/Position



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Ontvangen: 10/4/17

Test result is drawn according to the kind and extent of tests performed.

This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

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Material List:

Item: KID'S BARROW WITH PLASTIC TRAY
WB0206

Material No.	Material	Color	Location
M001	Whole Product	red/black	KID'S BARROW WITH PLASTIC TRAY
M002	Plastic	red	refer to photo
M003	Plastic	black	handle
M004	Coating	black	frame
M005	Plastic	white	bolt on frame
M006	Rubber	black	tyre
M007	Plastic	black	spoke
M008	Plastic	black	bolt on wheel

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1. EN71 - 1:2014 Mechanical and physical properties**Test result:**

Test No :		T001
Material No:		M001
4. General requirements		
4.1 Material cleanliness		PASS
4.2 Assembly		PASS
4.7 Edges		PASS
4.8 Points and metallic wires		PASS

The clause and/or sub-clause would be indicated only in the test report whichever applicable. The comprehensive result report is available upon request.

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2. 2009/48/EC CE Marking**Test result:**

Test No:	T001
Material No:	M001
CE-marking	PASS

3. 2009/48/EC Labeling Requirement (Importer/ Manufacturer Mark, Product Identification, Washing/ Cleaning instruction)**Test result:**

Test No:	T001
Material No:	M001
Importer/ Manufacturer Mark (European Company name and address)+	Absent
Product Identification - type, batch, serial or model number+	Absent

Remark:

+ These labeling shall be indicated on the toy, or where that is not possible, on its packaging or in a documents accompanying the toys.

The correct adherence to all requirements according to directive 2009/48/EC in regards to the marking (name or trademark and contact address of the manufacturer respectively the marking for identification [type, batch, model or serial no.]) of the toy can only be confirmed by the manufacturer, his delegate or the person who brings it onto the market. The marked article were assessed, however, they can not be evaluated in the frame of this test.

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4. EN 71 - 2: 2011+A1 :2014 Flammability**Test result:**

	Test No:	T001
	Material No:	M001
4.1 General		PASS

The clause and/or sub-clause would be indicated only in the test report whichever applicable. The comprehensive result report is available upon request.

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5. EN71-3:2013+A1:2014 Migration of 19 Elements

Test Method: with reference to EN71-3:2013+A1:2014, for inorganic elements, analyzed by ICP-OES or ICP-MS.

3) For scraped-off toy materials:

Test No.				T001	T002	T003
Material No.				M002	M003	M004
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	70000	n.d.	n.d.	1250
Antimony (Sb)	mg/kg	1	560	n.d.	n.d.	n.d.
Arsenic (As)	mg/kg	1	47	n.d.	n.d.	n.d.
Barium (Ba)	mg/kg	2.5	18750	n.d.	n.d.	402
Boron (B)	mg/kg	10	15000	n.d.	n.d.	n.d.
Cadmium (Cd)	mg/kg	1	17	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	0.15	-	n.d.	n.d.	n.d.
Chromium (III) (Cr (III))§	mg/kg	0.15	460	-	-	-
Chromium (VI) (Cr (VI))§	mg/kg	0.15	0.2	-	-	-
Cobalt (Co)	mg/kg	2.5	130	n.d.	n.d.	n.d.
Copper (Cu)	mg/kg	2.5	7700	n.d.	n.d.	51.5
Lead (Pb)	mg/kg	2.5	160	n.d.	n.d.	n.d.
Manganese (Mn)	mg/kg	2.5	15000	n.d.	n.d.	28.5
Mercury (Hg)	mg/kg	1	94	n.d.	n.d.	n.d.
Nickel (Ni)	mg/kg	2.5	930	n.d.	n.d.	n.d.
Selenium (Se)	mg/kg	2.5	460	n.d.	n.d.	n.d.
Strontium (Sr)	mg/kg	2.5	56000	n.d.	n.d.	55.2
Tin (Sn)	mg/kg	1.0	180000	n.d.	n.d.	23.3
Organic Tin^	mg/kg	1.0	12	-	-	n.d.(*1)
Zinc (Zn)	mg/kg	10	46000	n.d.	10.5	13000

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Test No.				T004	T005	T006
Material No.				M005	M006	M007
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	70000	n.d.	n.d.	n.d.
Antimony (Sb)	mg/kg	1	560	n.d.	n.d.	n.d.
Arsenic (As)	mg/kg	1	47	n.d.	n.d.	n.d.
Barium (Ba)	mg/kg	2.5	18750	2.8	n.d.	n.d.
Boron (B)	mg/kg	10	15000	n.d.	n.d.	n.d.
Cadmium (Cd)	mg/kg	1	17	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	0.15	-	n.d.	n.d.	n.d.
Chromium (III) (Cr (III))§	mg/kg	0.15	460	-	-	-
Chromium (VI) (Cr (VI))§	mg/kg	0.15	0.2	-	-	-
Cobalt (Co)	mg/kg	2.5	130	n.d.	n.d.	n.d.
Copper (Cu)	mg/kg	2.5	7700	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	2.5	160	n.d.	n.d.	n.d.
Manganese (Mn)	mg/kg	2.5	15000	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	1	94	n.d.	n.d.	n.d.
Nickel (Ni)	mg/kg	2.5	930	n.d.	n.d.	n.d.
Selenium (Se)	mg/kg	2.5	460	n.d.	n.d.	n.d.
Strontium (Sr)	mg/kg	2.5	56000	n.d.	n.d.	n.d.
Tin (Sn)	mg/kg	1.0	180000	n.d.	n.d.	n.d.
Organic Tin^	mg/kg	1.0	12	-	-	-
Zinc (Zn)	mg/kg	10	46000	77.2	39.4	19.1

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Test No.				T007
Material No.				M008
Test Parameter	Unit	RL	Regulatory Requirement	Result
Aluminium (Al)	mg/kg	10	70000	n.d.
Antimony (Sb)	mg/kg	1	560	n.d.
Arsenic (As)	mg/kg	1	47	n.d.
Barium (Ba)	mg/kg	2.5	18750	n.d.
Boron (B)	mg/kg	10	15000	n.d.
Cadmium (Cd)	mg/kg	1	17	n.d.
Chromium (Cr)	mg/kg	0.15	-	n.d.
Chromium (III) (Cr (III))§	mg/kg	0.15	460	-
Chromium (VI) (Cr (VI))§	mg/kg	0.15	0.2	-
Cobalt (Co)	mg/kg	2.5	130	n.d.
Copper (Cu)	mg/kg	2.5	7700	n.d.
Lead (Pb)	mg/kg	2.5	160	n.d.
Manganese (Mn)	mg/kg	2.5	15000	n.d.
Mercury (Hg)	mg/kg	1	94	n.d.
Nickel (Ni)	mg/kg	2.5	930	n.d.
Selenium (Se)	mg/kg	2.5	460	n.d.
Strontium (Sr)	mg/kg	2.5	56000	n.d.
Tin (Sn)	mg/kg	1.0	180000	n.d.
Organic Tin^	mg/kg	1.0	12	-
Zinc (Zn)	mg/kg	10	46000	120

Abbreviation: n.d. = Not Detected (< RL)

RL = Reporting Limit

mg/kg denotes milligram per kilogram

§ denotes Cr(III) and Cr(VI) are not necessary to be determined when the Combined Chromium concentration value is less than the requirement

^ denotes Organic tin are not necessary to be determined when the Tin concentration is less than calculated limit (3.9 mg/kg) or the components were confirmed to be pure metal

Remark:

- *1 Confirmation of Organic tin content has been performed. Result can refer to subsequent page(s) for details.

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6.Organic Tin content

Test Method: EN71-3: 2013 + A1:2014, analyzed by GC-MS

Test Result:

Test No.			T001
Material No.			M004
Test Parameter	Unit	RL	Result
MeT (Methyltin cation)	mg/kg	0.2	n.d.
BuT (Butyltin cation)	mg/kg	0.2	n.d.
DBT (Dibutyltin cation)	mg/kg	0.2	n.d.
TBT (Tributyltin cation)	mg/kg	0.2	n.d.
TeBT (Tetrabutyltin cation)	mg/kg	0.2	n.d.
MOT (Monooctyltin cation)	mg/kg	0.2	n.d.
DOT (Dioctyltin cation)	mg/kg	0.2	n.d.
DProT (Dipropyltin cation)	mg/kg	0.2	n.d.
DPhT (Diphenyltin cation)	mg/kg	0.2	n.d.
TPhT (Triphenyltin cation)	mg/kg	0.2	n.d.
Sum of Organic tin cations	mg/kg	--	n.d.
Category*	NA	NA	3
Limit	mg/kg	NA	12

Note: The weight of the organotin cations were expressed in terms of Tributyltin (TBT) cation

Abbreviation: n.d. = not detected (< Reporting Limit)
 RL = Reporting Limit
 NA = Not Applicable
 mg/kg = milligram per kilogram

Remark:

* According to EN71-3:2013+A1:2014, section 4.2, the sum of migration of organic tin shall not exceed the migration limits as below:

Category	Category I	Category II	Category III
Scope	Dry, brittle, powder-like or pliable toy materials	Liquid or sticky toy materials	Scraped-off toy materials
Limit	0.9mg/kg	0.2mg/kg	12mg/kg

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Sample Photo



- END -