

Test Report

Number: GZHH00272229

Applicant: RUI TAI TOYS FACTORY
CHENGHAI DISTRICT, SHANTOU CITY,
GUANGDONG PROVINCE, CHINA

Date: Mar 08, 2018

Sample Description:

One (1) set of submitted sample said to be :

- Item Name : **Woven Lable Target**
 - Item No. : A001、A002、A003、A004、A005、A006、A007、A008、A009、A010、
A011、A012、A013、A014、A015、A016、A017、A018、A019、A020、
A021、A022、A023、A024、A025、A026、A027、A028、A029、A030、
A031、A032、A033、A034、A035、A036、A037、A038、A039、A040、
A041、A042、A043、A044、A045、A046、A047、A048、A049、A050、
A051、A052、A053、A054、A055、A056、A057、A058、A059、A060、
A061、A062、A063、A064、A065、A066、A067、A068、A069、A070、
A071、A072、A073、A074、A075、A076、A077、A078、A079、A080
- Above sample information was submitted and/or identified by client

Applicant Specified Age :
Grading for Testing : Over 3 years
Country of Origin : China



Tests conducted:

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

To be continued

Approved :




Huang Hui Hua
Technical Support Assistant Manager





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Conclusion:

<u>Tested sample</u>	<u>Standard</u>	<u>Result</u>
Tested component(s) of submitted sample set	EN71-3:2013+A2:2017 on migration of certain elements	Pass
	EN71-3:2013+A2:2017 on migration of certain elements (excluding lead migration) & lead migration of EU 2017/738 amending 2009/48/EC(effective from Oct 28,2018)	Pass

Approved :



Huang Hui Hua
Technical Support Assistant Manager



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1 19 Toxic Element Migration Test

(A) Test Result

As per EN71-3:2013+A2:2017 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry.

Category (III): Scraped-off toy material

Element	Result (mg/kg)	Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(1)to(4)		
Aluminium (Al)	ND	300	70000
Antimony (Sb)	ND	10	560
Arsenic (As)	ND	10	47
Barium (Ba)	ND	10	18750
Boron (B)	ND	50	15000
Cadmium (Cd)	ND	5	17
Chromium (III) (Cr III) **	ND	10	460
Chromium (VI) (Cr VI) **	ND	0.1	0.2
Cobalt (Co)	ND	10	130
Copper (Cu)	ND	10	7700
Lead (Pb)	ND	10	160/23ø
Manganese (Mn)	ND	10	15000
Mercury (Hg)	ND	10	94
Nickel (Ni)	ND	10	930
Selenium (Se)	ND	10	460
Strontium (Sr)	ND	100	56000
Tin (Sn)	ND	2.5	180000
Organic tin **	ND	2.0	12
Zinc (Zn)	ND	100	46000

Remark : mg/kg = milligram per kilogram

++ = 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.

- Organic tin test result was expressed as tributyl tin.

ND = Not detected

ø = The new lead migration limit [(2.0mg/kg for Category (I), 0.5mg/kg for category (II) and 23 mg/kg for Category (III)] were quoted from directive (EU) 2017/738 amending 2009/48/EC effective from 28 October 2018.



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Tested Component(s):

- (1) Black non-woven (edge of turntable).
- (2) Yellow/black/red/blue printed brushed knit (body of turntable).
- (3) White plastic Velcro (hook of ball, darts).
- (4) Red plastic (darts).

Remark: As requested by the applicant, toxic elements content test were conducted only components listed in this report. Other components were not tested.

(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: Mar 05, 2018
Testing period: Mar 05, 2018 to Mar 07, 2018

End of report

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