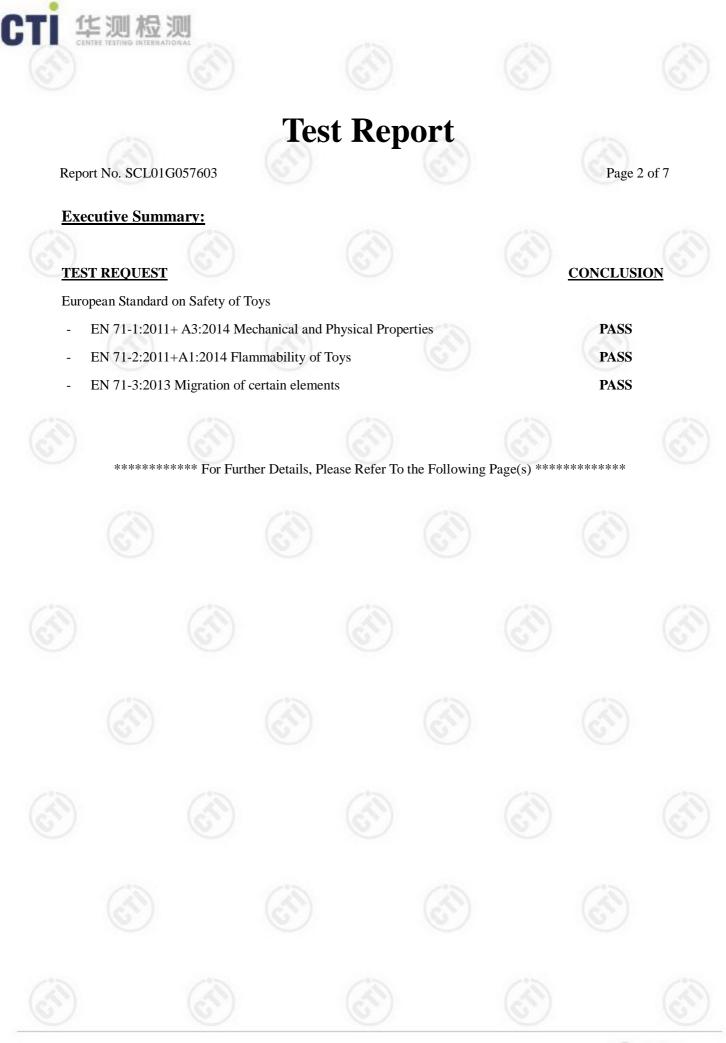
		Test	: Rep	ort				
Report No. SCL01G057603		65				Page 1 of 7		
Applicant Address		TAL BOX MANI DAD, QINGXI TO			NA			
Report on the	e submitted samp	le(s) said to be:						
Sample Name	_	tin box						
Item No. Country of Origin Exported to		SD5, SD7 China U.S.A						
Client Specific	ed Age Grading	Not stated						
Labeled Age (Ages 4 and up						
Age Group Ap	pplied in Testing	Over 3 years						
Sample Recei	ved Date	Dec. 01, 2014						
Sample Tested	1 Date	Dec. 01, 2014 t	to Dec. 10, 2	2014				
Test Conduct As requested b	eed: by the applicant, fo	or details refer to a	next page(s)					
Tested by	Care	<i>F</i>		Reviewed by	(ggg	w		
Approved by	Victor Wang Lab Manager	lary		Date No. T1667007	<u>2014-</u> 89	2-10		
Centre Testing J SZ03	nernational (Shenzhe	en) Co., Ltd. Hor	ngwei Industr	ial Zone, Bao'an '	70 District, Shen	zhen, Guangdon	g, China	

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CTI 华测检测



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华测检测

▼ Mechanical and physical properties

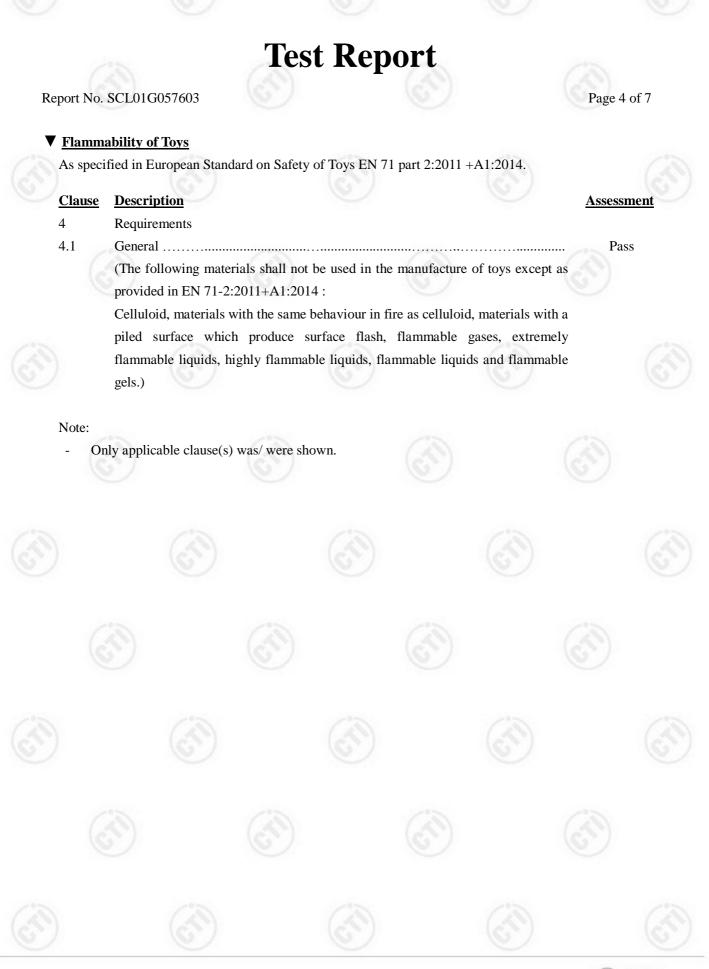
As specified in European Standard on Safety of Toys EN 71 part 1:2011+ A3:2014.

<u>Clause</u>	Description	Assessment
4	General requirements	
4.1	Material cleanliness	Pass
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
4.10	Parts moving against each other:	
	4.10.3 Hinges	N/A
	(Not applicable to products with a hinged part that has a mass less than 250g.)	
7	Warnings and instructions for use	
	CE marking requirement	Pass
	Manufacturer and importer's name or registered name/trade mark and address	See Remark 1
	Remark 1: The manufacturer's name registered trade name or registered trade	
	mark and the address at which the manufacture can be contacted must be	
	indicated on the toy or, where that is not possible, on its packaging or in a	
	document accompanying the toy. This requirement applies also to the name and address etc. of any importer.	
	Product Identification: type, batch, serial or model number or other element	Pass
7.1	General	N/A
7.2	Toys not intended for children under 36 months	N/A
	(Remark 2: No small part was found before and after test.)	
N/A = N	ot Applicable	

- Only applicable clause(s) was/ were shown.

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Test Report

Report No. SCL01G057603

华测检测

▼ Migration of certain elements

As specified in European standard on safety of toys EN 71-3:2013 - Migration of certain elements, acid extraction method was used and toxic elements content were determined by ICP-OES, ICP-MS, HPLC-ICP-MS and GC-MS.

Result (mg/kg) MDL **Tested Item** Limit (1) (2)(3) (mg/kg) (mg/kg) 75 Aluminium (Al) 110 ND 50 70000 ND ND ND 5 560 Antimony (Sb) Arsenic (As) ND ND ND 5 47 ND Barium (Ba) ND ND 50 18750 Boron (B) ND ND ND 50 15000 ND Cadmium (Cd) ND ND 17 1 Chromium (Cr)^{#1} 7.8 ND 2.6 0.2 --Chromium (III) #2 7.8 2.6 460 ___ ---ND ND ND 0.001 0.2 Chromium (VI) Cobalt (Co) ND ND 5 130 ND Copper (Cu) ND ND ND 50 7700 Lead (Pb) ND ND ND 5 160 Manganese (Mn) ND ND ND 50 15000 Mercury (Hg) ND ND ND 5 94 Nickel (Ni) ND ND ND 5 930 ND ND Selenium (Se) ND 5 460 Strontium (Sr) 55 ND 87 50 56000 $\operatorname{Tin}(\operatorname{Sn})^{\#3}$ 144 ND 3016 2 180000 Organic tin (TBT) #4 ND ND ND 0.05 12 Zinc (Zn) 135 ND ND 50 46000

Category III: scraped-off toy material

Tested Component(s):

- (1) Multi-color coating(surface)
- (2) Black plastic(handle)
- (3) Transparent lacquer(lining)

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Remark:

- Mg/kg = parts per million = ppm
- ND = Not Detected (less than MDL)
- Mdl = method detection limit
- Filter paper was used instead of membrane filter in lab testing.
- #1 Chromium (Cr) content can be used for screen test for hexavalent chromium and trivalent chromium analysis and to show compliance with the requirement of EN 71-3:2013.
- #2 Chromium (Cr) = Hexavalent chromium (Cr (VI)) +Trivalent chromium (Cr (III)), where the chromium content exceeded the limits of hexavalent chromium and/or trivalent chromium, then hexavalent chromium was analyzed by HPLC-ICP-MS and trivalent chromium content was calculated using the formula.
 - #3 Tin (Sn) content can be used for screen test for organic tins analysis to show compliance with the requirement of EN 71-3:2013.
- #4 The migration of organic tin is expressed as tributyltin (TBT). Where the tin content exceeded the limit of organic tin, ten organic tins listed in table were determined by GC-MS and the client should be noted there are other organic tins may be present in toy materials.

		Organic tins tested under EN 71-3:2013			3		
		Methyl ti	n (met)		10		
		Butyl tin	(but)				
		Dibutyl t	in (DBT)				
		Tributyl t	in (TBT)				
		Tetrabuty	rl tin (tebt)	10			
		N-Octyl 1	tin (MOT)	(\mathcal{A})			
		Di-n-octy	l tin (DOT)				
		Di-n-proj	pyl tin (dprot)				
		Diphenyl	tin (dpht)		1		
		Tripheny	l tin (tpht)				

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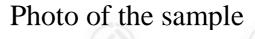


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