



Test Report

No.T31920241188TY

Date: MAY 24, 2019

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LEXIBOOK LTD.
UNIT 8-9, 4TH FLOOR, KENNING INDUSTRIAL BUILDING, 19 WANG HOI ROAD,
KOWLOON BAY, KOWLOON, HONG KONG

The following samples were submitted and identified by/on behalf of the client as:
FROZEN / MINNIE / PAW PATROL / TOY STORY / UNICORN - MY FIRST SING ALONG DIGITAL
PLAYER

Style/Item No. : MP300FZZ / MP300MNZ / MP300PAZ / MP300TSZ / MP300UNIZ
Country of Origin : CHINA
Sample Receiving Date : APR 29, 2019
Last Information Receiving : MAY 21, 2019
Date :
Testing Period : APR 29, 2019 TO MAY 24, 2019

Test Requested	CONCLUSION
EN 71-2:2011+A1:2014 – Safety of toys – Part 2: Flammability	PASS
Directive 2009/48/EC and its amendment Council Directive (EU) 2018/725 – EN 71-3:2013 + A3:2018 – Migration of certain elements (All conclusive testing)	PASS

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of
SGS Hong Kong Ltd.

Cheng Yui Hei, Jeff
Technical Manager

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Test Results:
EN 71-2:2011+A1:2014 – SAFETY OF TOYS – PART 2: FLAMMABILITY

AS SPECIFIED IN EN 71-2:2011+A1:2014 – SAFETY OF TOYS – PART 2: FLAMMABILITY

Clauses relevant to the item:

Clause	Description	Result
4.1	General requirements	Pass

Directive 2009/48/EC and its amendment Council Directive (EU) 2018/725 – EN 71-3:2013 + A3:2018 – Migration of certain elements
Category III: Scraped-off toy material

Method: With reference to EN 71-3:2013 + A3:2018. Analysis of general elements was performed by ICP-OES. / ICP-MS. Chromium (III) was obtained by calculation, chromium (VI) was analyzed by IC-UV-Vis and organic tin was analyzed by GC-MS.

Test Item(s)	Result(s)			MDL	Permissible Limit
	1	2	3		
Specimen No.				--	--
Mass of trace amount (mg)	48.0	51.0	12.2	--	--
Soluble Aluminium (Al) (mg/kg)	329	21000	ND	50	70000
Soluble Antimony (Sb) (mg/kg)	ND	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	ND	ND	50	18750
Soluble Boron (B) (mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	ND	5	17
Soluble Chromium (Cr) (mg/kg)	0.10	0.11	0.097	0.015	--
Soluble Chromium (III) (Cr (III)) (mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI) (Cr (VI)) (mg/kg)	ND	ND	ND	0.015	0.053
Soluble Cobalt (Co) (mg/kg)	ND	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	ND	50	7700
Soluble Lead (Pb) (mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese (Mn) (mg/kg)	ND	ND	ND	50	15000
Soluble Mercury (Hg) (mg/kg)	ND	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	ND	50	56000
Soluble Tin (Sn) (mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin -- (mg/kg)	ND	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	66	ND	ND	50	46000

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Test Item(s)	Result(s)				MDL	Permissible Limit
	4 – 5	6	7	8 – 26		
Specimen No.					--	--
Mass of trace amount (mg)	--	79.7	64.7	--	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	ND	ND	50	70000
Soluble Antimony (Sb) (mg/kg)	ND	ND	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	ND	ND	ND	50	18750
Soluble Boron (B) (mg/kg)	ND	ND	ND	ND	50	15000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	ND	ND	5	17
Soluble Chromium (Cr) (mg/kg)	ND	0.26	0.12	ND	0.015	--
Soluble Chromium (III) (Cr (III)) (mg/kg)	ND	ND	ND	ND	1	460
Soluble Chromium (VI) (Cr (VI)) (mg/kg)	ND	ND	ND	ND	0.015	0.053
Soluble Cobalt (Co) (mg/kg)	ND	ND	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	ND	ND	50	7700
Soluble Lead (Pb) (mg/kg)	ND	ND	ND	ND	2.3	23
Soluble Manganese (Mn) (mg/kg)	ND	ND	ND	ND	50	15000
Soluble Mercury (Hg) (mg/kg)	ND	ND	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	ND	ND	50	56000
Soluble Tin (Sn) (mg/kg)	ND	ND	ND	ND	3.0	180000
Soluble Organic Tin -- (mg/kg)	ND	ND	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	ND	ND	ND	ND	50	46000

Test Item(s)	Soluble Organic Tin Result(s) (mg/kg)		MDL (mg/kg)
	1 – 26		
Methyl tin (MeT)	ND		0.45
Di-n-propyl tin (DProT)	ND		0.3
Butyl tin (BuT)	ND		0.45
Dibutyl tin (DBT)	ND		0.3
Tributyl tin (TBT)	ND		0.3
n-Octyl tin (MOT)	ND		0.3
Tetrabutyl tin (TeBT)	ND		0.3
Diphenyl tin (DPHT)	ND		0.3
Di-n-octyl tin (DOT)	ND		0.3
Triphenyl tin (TPHT)	ND		0.3

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Specimen Description:

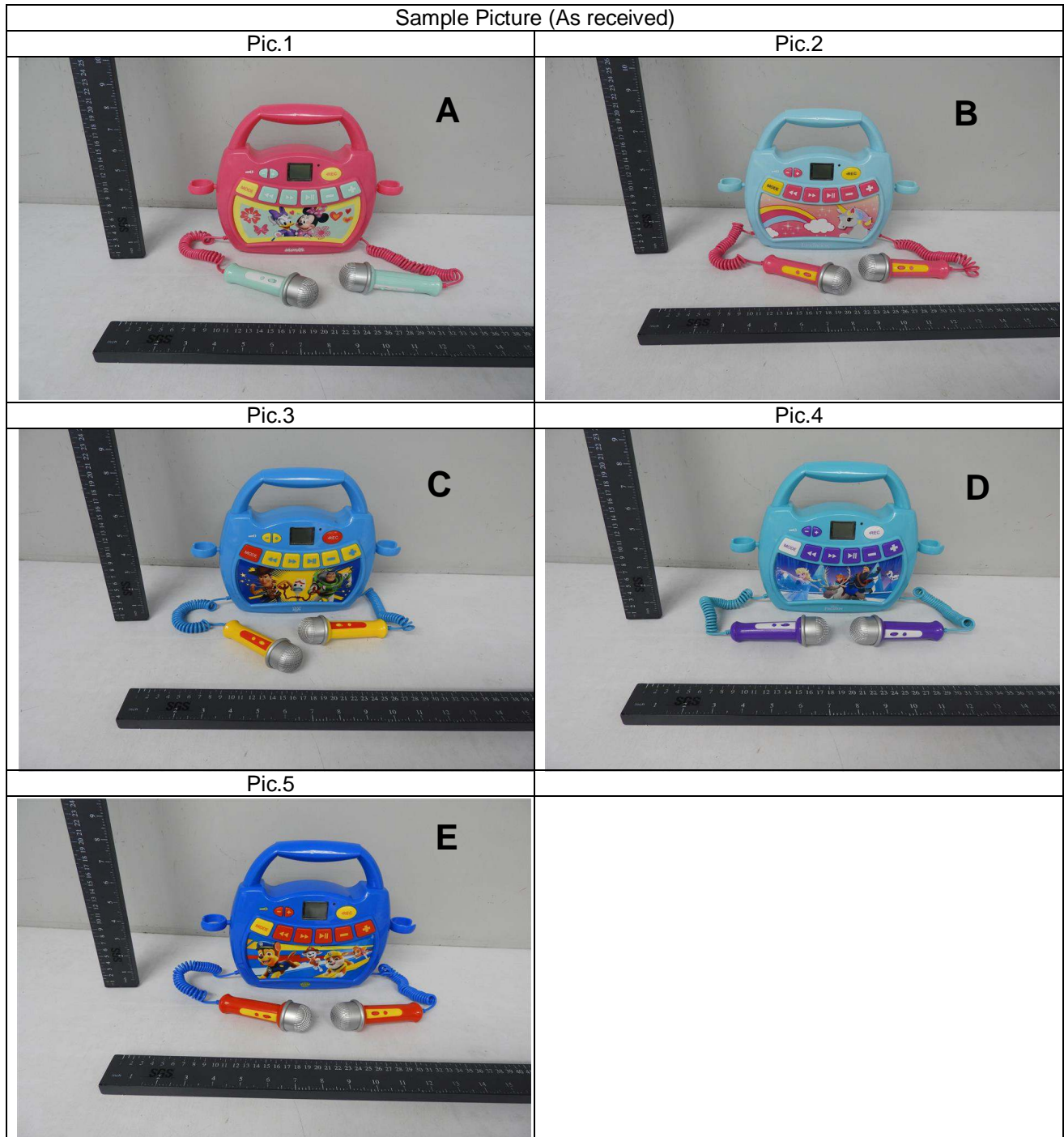
1. Multi-color dot coating (All: Case pattern)
2. Silvery coating (All: Microphone)
3. White coating (All: Word, Sige)
4. Transparent plastic (All: Screen cover)
5. White plastic (All: Microphone-head; Pattern case; A, D: Handle; D: Push button)
6. Black plastic (All: Socket)
7. Dark grey plastic (All: SD card socket)
8. Milky white plastic (All: Terminal holder of USB socket)
9. Pink plastic (A: Case, Microphone holder; B: Handle, Push button, Slider switch)
10. Pale lake green plastic (A: Handle, Push button, Slide switch)
11. Light yellow plastic (A: Push button)
12. Light blue plastic (B: Case, Microphone holder)
13. Yellow plastic (B, C, E: Handle, Push button; C: Slider switch)
14. Blue plastic (C: Case. Microphone-handle)
15. Red plastic (C, E: Handle, Push button; E: Slider switch)
16. Lake blue plastic (D: Case, Microphone holder)
17. Purple plastic (D: Handle, Push button)
18. Medium blue plastic (E: Case, Microphone holder)
19. Pink soft plastic (A, B: Sleeve)
20. Pink soft plastic (A, B: Cable jacket)
21. Blue soft plastic (C: Sleeve)
22. Blue soft plastic (C: Cable jacket)
23. Lake blue soft plastic (D: Sleeve)
24. Laker blue soft plastic (D: Cable jacket)
25. Medium soft plastic (D: Sleeve)
26. Medium blue soft plastic (D: Sleeve)

- Note:
- mg/kg = milligram per kilogram
 - mg = milligram
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit
 - 1% = 10000 mg/kg = 10000 ppm

As received, the below test part is(are) less than 10 mg, therefore such component(s) was(were) not tested for migration of certain elements, as specified in EN 71-3:2013 + A3:2018

1. Pink coating (A: Word)
2. Black coating (B: Word)
3. Blue coating (C: Sign)
4. Purple coating (D: Sign)
5. Red coating (E: Word)
6. Yellow coating (E: Sign)

Sample Photo:



SGS authenticate the photo on original report only
 *** End of Report ***

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