

Test Report

No.: 70.452.22.13300.01

Date: 2022-10-10



Greater China

Applicant: RAAB HOLDINGS PTE LTD
Address: 31 WOODLANDS CLOSE#03-18,WOODLANDS HORIZON, SINGAPORE 737855
Product Name: PLAY MAT
Country of Destination: Singapore
Receipt Date of Sample: 2022-09-21
Date of Testing: From 2022-09-21 to 2022-10-10
Sample Submitted: The sample(s) was (were) submitted by applicant and identified.
Test Result: Refer to the data listed in following pages

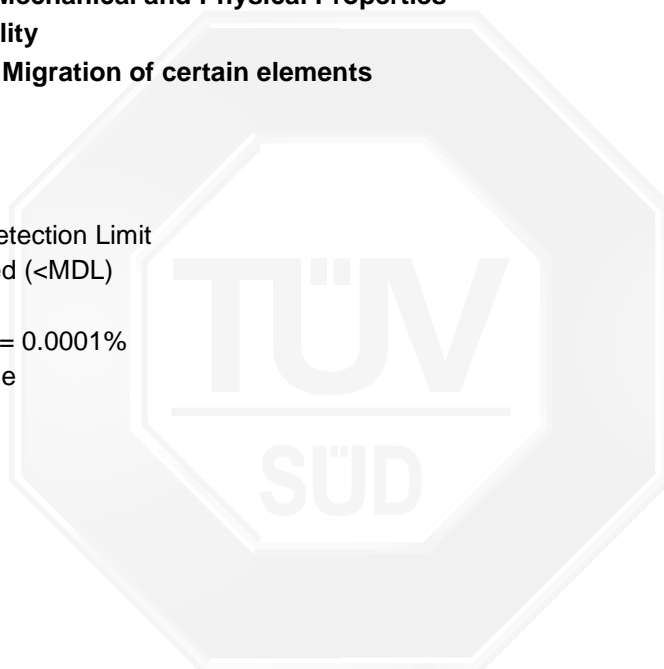
Test Item

1. EN 71-1:2014+A1:2018 Mechanical and Physical Properties
2. EN 71-2:2020 Flammability
3. EN 71-3:2019+A1:2021- Migration of certain elements

Conclusion

Pass
Pass
Pass

Remarks: 1. MDL = Method Detection Limit
2. ND = Not Detected (<MDL)
3. ≤ Less than
4. 1 mg/kg = 1 ppm = 0.0001%
5. NA=Not Applicable



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TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch
Testing Center

Prepared by:

Authorized by:



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Note:

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For further details, please see "Testing and certification regulation", chapter A-3.4
For full version, please visit: EN : <https://www.tuvsud.cn/zh-cn/resource/terms-and-conditions---en> ; SCN: <https://www.tuvsud.cn/zh-cn/terms-and-conditions> ; TCN: <https://www.tuvsud.com/zh-tw/terms-and-conditions>
- (2) The results relate only to the Items tested.
- (3) The test report shall not be reproduced except in full without the written approval of the laboratory
- (4) **Disclaimer Measurement Uncertainty:**
Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as Pass nor as Fail.

Description of Tested Subject:

Sample	Description	Photo
001	PLAY MAT	

T. No	Sample	Description
T1	001	PLAY MAT
T2	002	Light grey artificial leather with black printing
T3	003	Beige artificial leather
T4	004	Light grey plastic (zipper teeth)
T5	005	Beige plastic (zipper teeth)
T6	006	Light grey fabric (zipper tape)
T7	007	Beige fabric (zipper tape)
T8	008	White foam



Test Result(s):

1. EN 71-1:2014+A1:2018 Mechanical and Physical Properties

Sample	001
Labelled age range	Not Stated
Requested age range	0+
Age range for testing as per client's request	All ages

Clause	Requirement	Evaluation
4	General Requirements	--
4.1	Material cleanliness	P
4.7	Edges	P
4.8	Points and metallic wires	P
4.15	Toys intended to bear the mass of a child	P
5	Toys intended for children under 36 months	--
5.1	General requirements	P
5.2	Soft-filled toys and soft-filled parts of a toy	P
7	Warnings, markings and instructions for use	#1

Abbreviation:

P = Pass, F = Fail, NA = Not Applicable, NR = Not Requested.

Note:

Only applicable clauses were shown.

The submitted sample was examined not a toy and was not subjected to the scope of EN 71. However, as requested by the applicant, the submitted sample was assessed under the requirement of EN 71, and the result met the requirement of the standard.

Remark:

#1= This product was tested as non-toy product, thus the warning and other labeling requirements specified in clause 7 did not apply.

2. EN 71-2:2020 Flammability

Sample	001	
Clause	Requirement	Evaluation
4.1	General Requirement	P

Abbreviation:

P = Pass, F = Fail, NA = Not Applicable, NR = Not Requested.

Note:

Only applicable clauses were shown.

The submitted sample was examined not a toy and was not subjected to the scope of EN 71. However, as requested by the applicant, the submitted sample was assessed under the requirement of EN 71, and the result met the requirement of the standard.

3. EN 71-3:2019+A1:2021- Migration of certain elements

Test with reference to EN 71-3:2019+A1:2021, determination by ICP-MS.

Parameter	MDL [mg/kg]	Limit in scraped- off toy materials [mg/kg]	Result(s) [mg/kg]	
			002	003
Soluble Aluminum	5.00	28130	<5.00	<5.00
Soluble Antimony	5.00	560	<5.00	<5.00
Soluble Arsenic	5.00	47	<5.00	<5.00
Soluble Barium	5.00	18750	<5.00	<5.00
Soluble Boron	5.00	15000	<5.00	<5.00
Soluble Cadmium	5.00	17	<5.00	<5.00
Soluble Chromium III	0.04	460	<0.04	<0.04
Soluble Chromium VI	0.04	0.053	<0.04	<0.04
Soluble Cobalt	5.00	130	<5.00	<5.00
Soluble Copper	5.00	7700	<5.00	<5.00
Soluble Lead	5.00	23	<5.00	<5.00
Soluble Manganese	5.00	15000	<5.00	<5.00
Soluble Mercury	5.00	94	<5.00	<5.00
Soluble Nickel	5.00	930	<5.00	<5.00
Soluble Selenium	5.00	460	<5.00	<5.00
Soluble Strontium	5.00	56000	<5.00	<5.00
Soluble Tin	2.50	180000	<2.50	<2.50
Organic Tin	7.50	12	<7.50	<7.50
Soluble Zinc	5.00	46000	<5.00	<5.00
Conclusion			Pass	Pass



Parameter	MDL [mg/kg]	Limit in scraped-off toy materials [mg/kg]	Result(s) [mg/kg]	
			004	005
Soluble Aluminum	5.00	28130	<5.00	<5.00
Soluble Antimony	5.00	560	<5.00	<5.00
Soluble Arsenic	5.00	47	<5.00	<5.00
Soluble Barium	5.00	18750	<5.00	<5.00
Soluble Boron	5.00	15000	<5.00	<5.00
Soluble Cadmium	5.00	17	<5.00	<5.00
Soluble Chromium III	0.04	460	<0.04	<0.04
Soluble Chromium VI	0.04	0.053	<0.04	<0.04
Soluble Cobalt	5.00	130	<5.00	<5.00
Soluble Copper	5.00	7700	<5.00	<5.00
Soluble Lead	5.00	23	<5.00	<5.00
Soluble Manganese	5.00	15000	<5.00	<5.00
Soluble Mercury	5.00	94	<5.00	<5.00
Soluble Nickel	5.00	930	<5.00	<5.00
Soluble Selenium	5.00	460	<5.00	<5.00
Soluble Strontium	5.00	56000	<5.00	<5.00
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Organic Tin	7.50	12	<7.50	<7.50
Soluble Zinc	5.00	46000	<5.00	<5.00
Conclusion			Pass	Pass

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Parameter	MDL [mg/kg]	Limit in scraped- off toy materials [mg/kg]	Result(s) [mg/kg]	
			006	007
Soluble Aluminum	5.00	28130	<5.00	<5.00
Soluble Antimony	5.00	560	<5.00	<5.00
Soluble Arsenic	5.00	47	<5.00	<5.00
Soluble Barium	5.00	18750	<5.00	<5.00
Soluble Boron	5.00	15000	<5.00	<5.00
Soluble Cadmium	5.00	17	<5.00	<5.00
Soluble Chromium III	0.04	460	<0.04	0.150
Soluble Chromium VI	0.04	0.053	<0.04	<0.04
Soluble Cobalt	5.00	130	<5.00	<5.00
Soluble Copper	5.00	7700	<5.00	<5.00
Soluble Lead	5.00	23	<5.00	<5.00
Soluble Manganese	5.00	15000	<5.00	<5.00
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Parameter	MDL [mg/kg]	Limit in scraped- off toy materials [mg/kg]	Result(s) [mg/kg]
			008
Soluble Aluminum	5.00	28130	<5.00
Soluble Antimony	5.00	560	<5.00
Soluble Arsenic	5.00	47	<5.00
Soluble Barium	5.00	18750	<5.00
Soluble Boron	5.00	15000	<5.00
Soluble Cadmium	5.00	17	<5.00
Soluble Chromium III	0.04	460	<0.04
Soluble Chromium VI	0.04	0.053	<0.04
Soluble Cobalt	5.00	130	<5.00
Soluble Copper	5.00	7700	<5.00
Soluble Lead	5.00	23	<5.00
Soluble Manganese	5.00	15000	<5.00
Soluble Mercury	5.00	94	<5.00
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Conclusion			Pass

-End of Test Report-