

Test Report

Number: SZHH0202552501

Applicant: FUJIAN SENDA FOREIGN TRADE CO.,LTD
22F, ZHIDI PLAZA,NO.89, WUSI
ROAD, FUZHOU, FUJIAN,
CHINA

Date: May 23, 2025

Attn: MIAO MAZHAO

Sample Description:

Two (2) sets of submitted samples said to be :

Item Name : **Kids Table and Chairs - Green, Kids Table and Chairs - Pink.**

Item No. : **312-139V80GN, 312-139V80PK.**

Labelled Age Group : --.

Applicant Specified Age : Over 3 Years.

Grading for Testing

Packaging Provided by : Yes(artwork).

Applicant

Additional Material and Wet : Yes.

Paint Provided

Country of Origin : China.

Date Sample Received : Mar 04, 2025, Apr 10, 2025, May 13, 2025 & May 16, 2025.

Testing Period : Mar 04, 2025 – May 23, 2025.

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Tests conducted:

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



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Conclusion:

<u>Tested Sample</u> Submitted Sample	<u>Standard</u>	<u>Result</u>
	EN 17191: 2021 Children's Furniture – Seating for children – Safety requirements and test methods	Pass
	BS EN 17191: 2021 Children's Furniture – Seating for children – Safety requirements and test methods	Pass
	EN 71-1: 2014+A1: 2018 for mechanical and physical properties	Pass#
	BS EN 71-1: 2014+A1: 2018 for mechanical and physical properties	Pass#
	EN 71-2: 2020 Flammability test.	Pass#
	BS EN 71-2: 2020 Flammability test	Pass #
	EU Labeling Assessment - Regulation (EU) 2023/988 (GPSR)	Pass
	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 for mechanical and physical test	Pass#
	Canada Consumer Product Safety Act Toys Regulation SOR 2011-17 for celluloid or cellulose nitrate test	Pass#
	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 and Amendment SOR/2022-122 Section 23 on toxic elements test	Pass#
	Canada Consumer Products Containing Lead Regulations SOR/2018-83	Pass
	Canada Consumer Product Safety Act Surface Coating Materials Regulations SOR/2016-193 and Amendment SOR/2022-122 on Lead content	Pass
	Canada Consumer Product Safety Act Phthalates Regulations SOR/2016-188 on phthalate content	Pass#
	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 and Amendment SOR/2022-122 Section 23 on toxic elements test	Pass#



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Conclusion:

<u>Tested Sample</u>	<u>Standard</u>	<u>Result</u>
Tested components of submitted samples	EN 71-3:2019+A1:2021 on migration of certain elements	Pass#
	BS EN 71-3:2019+A1:2021 on migration of certain elements	Pass#
	EN 71-3:2019+A2:2024 on Migration of Certain Elements	Pass#
	BS EN 71-3:2019+A2:2024 -Migration of certain elements	Pass#

Remark:

= The submitted samples were not subjected to the scope of the standard. The tests were performed as per the applicant's request.

Authorized by:
For Intertek Testing Services Shenzhen Ltd
Xiamen Branch



Rachel L. Guo
Vice President



Should you have any query on this report, please click the link below:
https://verifyindex.intertek.com.cn/home/index?id=hl_report_verify



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Tests Conducted

1 Children's Furniture – Seating for children – Safety requirements and test methods

As per EN 17191: 2021 Children's Furniture – Seating for children – Safety requirements and test methods, the submitted sample was subjected to the following tests.

Number of sample tested: One (1) piece.

Seating size: Size 1

Test level: Level 1.

Initial inspection: No visible defect was found.

Executive summary:

Clause	Test Items	Assessment
1	Scope	--
2	Normative references	--
3	Terms and definitions	--
4	General requirements and test conditions	--
5	Test equipment	--
6	General safety requirements	--
6.1	Hazards from glass There shall be no glass in seating for children.	P
6.2	Surfaces, edges, corners and points All parts shall be designed so that physical injury and damage are avoided. This requirement is fulfilled when: - the edges of the seat, back rest and arm rests, which are in contact with the child when sitting in the seating, are rounded or chamfered; - the edges of handles are rounded in the direction of the force applied; - all other accessible edges and corners are smooth, rounded or chamfered and with no burrs; - there is no pointed or protruding surface that constitutes a puncture hazard; - rough surfaces shall not cause injury during use.	P
6.3	Entrapment hazards	--
6.3.1	Finger entrapment hazards When tested in accordance with 6.3.1.2, there shall be no completely bound openings in rigid materials that let the 7 mm probe enter unless the depth of penetration is less than 10 mm or unless the shape assessment probe enters. When measured in accordance with 6.3.1.2, it shall not be possible for the 7 mm finger probe for mesh to penetrate the holes of the mesh to the 7 mm diameter section.	P



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Clause	Test Items	Assessment
6.3.2	Partially bound, V and irregular shaped openings The following requirements apply to size 1 seating only. Partially bound and V shaped openings with a lower edge ≥ 600 mm above the ground shall be constructed so that, when tested in accordance with 6.3.2.2, either: a) portion B of the V and irregular shaped openings template does not enter the opening; or b) the apex of portion A of the V and irregular shaped openings template makes contact with the base of the opening.	P
6.4	Hazards caused by folding of the seating	--
6.4.1	Requirements	--
6.4.1.1	General The requirements in 6.4.1.2 and 6.4.1.3 do not apply to deckchairs. There shall be at least one locking mechanism, which prevents a foldable seating from folding when in use.	NA
6.4.1.2	Incomplete deployment during the setting up In order to prevent hazards due to incomplete deployment, the foldable seating shall fulfil one of the following requirements: a) the weight of the child in the foldable seating shall act to prevent folding; or b) at least one locking device shall engage automatically when the foldable seating is ready for use.	NA
6.4.1.3	Unintentional folding of the seating Unintentional folding of the foldable seating shall be prevented. This requirement is fulfilled if one of the following conditions is met: a) at least one operating device requires a minimum force of 50 N to activate and a maximum force of 300 N, before and after all locking mechanisms have been operated 300 times; or b) folding is only possible if at least one locking mechanism requires the use of a tool; or c) folding is only possible when two independent operating devices are operated simultaneously; or d) there are two or more automatic locking devices that cannot both be released by one single action; or e) folding of the foldable seating requires two consecutive actions, the first of which shall be maintained while the second is carried out.	NA
6.4.2	Automatic locking devices When tested in accordance with 6.4.2.2 automatic locking devices shall not release or open.	NA



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Clause	Test Items	Assessment
6.5	Hazards caused by deckchairs All deckchairs, regardless of size, shall be fitted with a locking device that fulfils the requirements of 6.5.2. During the tests, the transverse bar is allowed to disengage from its initial locking position. At the end of each test (not only those specified in 6.5.3): - the transverse bar shall be correctly engaged in any locking position; - if during testing according to 6.5.3.1 the deckchair lifts without disengagement of the transverse bar from its locking position before the 450N force is reached the requirement is considered as to be met; - there shall be no fracture of any component or any joint; - there shall be no loosening of any assembly intended to be rigid; - there shall be no loss of function of the seating or any component.	NA
6.6	Hazard from moving parts	--
6.6.1	Shearing and compression hazards when setting up and folding Unless 6.6.2 or 6.6.3 is applicable, shearing and compression hazards that are created only during erecting, adjusting or folding away the seating are acceptable because the user can be assumed to be in control of his/her movements and to be able to cease applying the force immediately on experiencing pain.	NA
6.6.2	Shearing and compression points under influence of powered mechanism To avoid shearing and compression points created under the influence of a powered mechanism, the minimum clearance between parts moving relative to each other shall be 25 mm during all movements unless the clearance between the parts is always less than 5 mm.	NA
6.6.3	Shearing and compression points during use To avoid shearing and compression points created by forces applied during normal use, the minimum clearance between parts moving relative to each other shall be: 12 mm for size 1 seating, unless the clearance between the parts is always less than 5 mm; and 18 mm for size 2 and 3 seating, unless the clearance between the parts is always less than 5 mm. For size 1 and 2, the forces applied during the static tests shall be used to assess the requirements. For size 3, the forces applied during the durability shall be used to assess the requirements.	P



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Clause	Test Items	Assessment
6.7	Hazards from enclosure Seating which a child can enter shall conform to the following requirements: a) any seating having a door, lid or similar device which encloses a continuous volume greater than 0,03 m³ and in which all internal dimensions are 150 mm or more shall provide at least two unobstructed ventilation holes, each 650 mm² or more, situated at least 150 mm apart. The total ventilation area shall be provided when the seating is placed on the floor in any position and adjacent to two vertical plane surfaces meeting at a 90° angle so as to simulate the corner of a room. The ventilation area is not required if the continuous volume is effectively sub-divided into compartment(s) by a permanent partition(s) or one or more bars making at least one dimension in the compartment less than 150 mm; b) for seating having a door, lid or similar device, it shall be possible to open the door, lid or similar device by applying a force of 50 N or less from the inside; c) seating chests with vertically opening hinged lids shall be provided with a lid-support mechanism to prevent sudden collapse or dropping of the lid. The lid-support mechanism shall support the lid so that at no position in the arc of travel of the lid from within 50 mm of the fully closed position through an arc not to exceed 60° from the fully closed position shall it drop more than 12 mm under the influence of its own mass, except in the last 50 mm of travel. The test shall be performed according to EN 71-1:2014+A1:2018, 8.31.2 (lid support). The lid-support mechanism shall conform to this requirement before and after being subjected to 7 000 opening and closing cycles, as described in EN 71-1:2014+A1:2018, 8.31.3 (durability test for vertically opening hinged lids). The lid-support mechanism shall not require adjustment by the consumer to ensure adequate lid support, nor shall it require adjustment in order to conform to the above requirement after being cycled according to EN 71-1:2014+A1:2018, 8.31.3 (durability test for vertically opening hinged lids). The lid and lid-support mechanism shall conform to the requirements in EN 71-1:2014+A1:2018, 4.10.3 (hinges). Seating chests with vertically opening hinged lids shall be accompanied by instructions for proper assembly and maintenance, if applicable.	NA



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Clause	Test Items	Assessment
6.8	Entanglement hazards The following requirements apply to size 1 seating only. Cords, ribbons and similar parts shall have a maximum free length of 200 mm when a 25 N tensile force is applied. Where cords, ribbons and similar parts are attached to the seating together or within 80 mm of each other, any single cord shall have a maximum free length of 220 mm and the combined length from one loose end to the other shall be maximum 360 mm. Loops shall have a maximum peripheral dimension of 360 mm when a 25 N tensile force is applied. When the seating is equipped with a restraint system to fulfil another function, the restraint system shall be capable of being removed, hidden or covered in accordance with the manufacturer's instructions.	NA
6.9	Choking and ingestion hazards	--
6.9.1	Requirements The following requirements apply to size 1 seating and soft seating only. The following requirements do not apply to paper. When tested in accordance with 6.9.2, any component or part of a component, including labels and decals, that can be removed shall not fit entirely within the small parts cylinder.	P
6.9.2	Test methods	--
6.9.3	Filling material	--
6.9.3.1	Requirements The following requirements apply to size 1 seating and all sizes of soft seating only. When tested in accordance with 6.9.3.3 no upholstery filling material (for example fibre, foam, granules) shall be accessible from any upholstered seating. When tested in accordance with 6.9.3.3.2.2, the force of rupture shall be greater than 60 N. When tested in accordance with 6.9.3.3.2.1, slippage of threads of seating cover for woven fabrics, the maximum slippage of thread shall be 7 mm, When tested in accordance with 6.9.3.3.2.3, slide fasteners (zip), any slide fastener (zip) shall not open. When tested in accordance with 6.9.3.3.3, it shall not be possible to insert the front part of a 12 mm diameter probe into any opening in the seam or cover material by more than 6 mm.	NA



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Clause	Test Items	Assessment
6.9.3.2	Removable seating covers The following requirements apply to size 1 seating and all sizes of soft seating only. The means to close/attach removeable covers shall not allow a child to have access to filling materials. This requirement is met if one of the following conditions is fulfilled: a) a minimum force of 50 N is required to open the closing system; or b) two actions (e.g. push and twist) are necessary to open the closing system, the first of which shall be maintained while the second is carried out; or c) two independent actions are necessary to open the closing system that shall be operated simultaneously; or d) the use of a tool is required to open the closing system; or e) a non-removable inner cover is provided to avoid accessibility to the filling material.	NA
6.9.3.3	Test methods	--
6.9.4	Magnets If magnets are provided with the seating, they shall fulfil the requirements of EN 71-1:2014+A1:2018, 4.23.2.	NA
6.10	Suffocation hazards Plastic sheeting used for packaging with an area greater than 100 mm x 100 mm shall conform to one of the following requirements: a) have an average sheet thickness of 0,038 mm or more; or b) be perforated with defined holes so that a minimum of 1% of the area has been removed over any area of 30 mm x 30 mm. Plastic bags used for packaging with an opening perimeter greater than 360 mm shall not have a drawstring or cord as a means of closing. Shrink packaging that is destroyed, when the packaging is opened by the user, is excluded from these requirements. Any plastic covering used for packaging, with the exclusion of shrink packaging, having an opening perimeter greater than 360 mm shall be marked with the word "WARNING" followed by the statement "Keep plastic covering away from children to avoid suffocation". This statement may be expressed in different words providing they clearly convey the same message. The text shall be accompanied by the symbol of the warning triangle .	NA
7	Chemicals requirements The following requirements apply to size 1 seating only. Verification shall be provided that the migration of heavy metals in the surfaces of any material used that are accessible to the mouth of the child fulfil the requirements of EN 71-3:2019+A1:2021.	P See test data



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Clause	Test Items	Assessment
8	Fire and thermal hazards Verification shall be provided that all accessible textile materials do not produce surface flash when tested according to EN 71-2:2020, 5.5.1 and 5.5.2.	NA
9	Strength and durability requirements	See remark 1
10	Stability requirements	--
10.1	General The following tests and requirements do not apply to soft seating. Deckchairs, Rocking chairs and reclining chairs shall be tested according to Table 4 with the exception of the rearward stability. Rocking chairs and reclining chairs shall additionally be tested according to Table 5. Deckchairs shall be tested for stability according to Table 4 but are not subject to tests according to Table 5. The stability tests shall be carried out in accordance with EN 1022:2018, except that loading points shall be as specified in 9.1.1, and the forces as specified in Table 4. The stability tests shall be carried out before and after the strength and durability tests specified in 9.4. Size 1 and 2 seating shall be tested according to test level 1 specified in Table 4. Size 3 seating shall be tested according to test level 2 specified in Table 4. The stability requirements are fulfilled when, during testing in accordance with 10.1 and 10.2, the seating does not overturn.	See remark 2
10.2	Alternative rearwards stability tests for rocking and reclining chairs	--
10.2.1	Rocking chairs This test replaces the rearwards stability test specified in Table 4. Rocking chairs shall be tested in accordance with EN 1022:2018, 7.4.5, with the following test loads: Size 1 seating Load the seating with the test mass, resting against the backrest. Size 2 seating Load the seating with three loading discs as specified in EN 1022:2018, 5.7. If it is not possible to use the test discs specified in EN 1022:2018, these disks may be substituted for test disks with a smaller diameter but the same height and mass to allow testing to be carried out on seatings with a small seat area. Size 3 seating Load the seating with six loading discs as specified in EN 1022:2018, 4.4. If it is not possible to use the test discs specified in EN 1022:2018, they may be substituted with discs with a smaller diameter but with the same mass and height.	NA



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Clause	Test Items	Assessment
10.2.2	Reclining chairs Reclining chairs shall be tested in accordance with EN 1022:2018, 7.4, using the following test loads: Size 1 seating Load the seating with the test mass, resting against the backrest and perform the test according to EN 1022:2018, 5.7. Size 2 and 3 seating Load the seating with two loading discs on the seat and four loading discs on the back as specified in EN 1022:2018, 5.7. If it is not possible to use the test discs specified in EN 1022:2018, they may be substituted with discs with a smaller diameter but with the same mass and height.	NA
10.2.3	Summary	--
11	Product information	--
11.1	General Product information shall be provided in the official language(s) of the country in which the seating is sold.	P
11.2	Marking	--
11.2.1	Requirements Seating which fulfils the requirements of this document shall be permanently marked with the following: - the name or trade mark of the manufacturer or importer. Marking shall be conspicuous, durable and legible and any labels shall be securely attached.	P
11.2.2	Durability of marking After testing in accordance with 11.2.2.2 no label and/or marking shall be removed and markings shall remain legible.	P
11.3	Purchase information Size 1 tall chairs, which do not fulfil the requirements of EN 14988:2017+A1:2020, shall include a statement or symbol pointing out that the seating is not suitable for children under 3 years old.	NA
11.4	Instructions for use	--
11.4.1	General Instructions for the safe use of the seating shall be provided and shall be headed "IMPORTANT! READ CAREFULLY AND KEEP FOR FUTURE REFERENCE" in letters not less than 5 mm high.	P



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Clause	Test Items	Assessment
11.4.2	Warnings The instructions shall contain: The word "WARNING" written in upper case, followed by the following statements: - "DO NOT place this product near a window as it can be used as a step by the child and cause the child to fall out of the window"; - "Be aware of the risk of open fires and other sources of strong heat in the vicinity of the product"; - "DO NOT place this product near a window where cords from blinds or curtains could strangle a child". These statements may be expressed in different words providing they clearly convey the same message.	P
11.4.3	Additional information The instructions shall contain the following additional information: a) number and date of this document; b) the name or trade mark of the manufacturer or importer and the respective European address, including the webpage if appropriate; c) means of identifying the seating e.g. model number; d) the age of the child for which the seating is intended; e) if applicable an assembly drawing, list and description of parts and tools required for assembly and a diagram of the bolts and other fastenings required; f) if applicable, a statement that all assembly fittings should always be tightened properly; g) a statement not to use the seating if any part is broken, torn or missing and use only spare parts approved by the manufacturer; h) if applicable, cleaning and maintenance recommendations; i) if the seating is equipped with a restraint system, a statement that the restraint system shall be removed/hidden/covered (as applicable) when the product is used as a seating.	P

Abbreviation: P = Pass; F = Fail; NA = Not Applicable; NR = Not Requested by the applicant

Remark:

1: Strength and durability tests

With reference to EN 1728: 2012 + AC: 2013 Furniture – Seating – Test Methods for the Determination of Strength and Durability, the submitted sample was subjected to the following tests.

Executive summary:

Clause	Test Items	Test Parameters	Test Level		Assessment
			1	2	
Seat and back static load test	EN 1728: 2012 + AC: 2013 clause 6.4	Seat force: N Back force: N Min Back force: N Cycles	750 200 170 10	1000 250 200 10	P



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Tests Conducted

Clause	Test Items	Test Parameters	Test Level		Assessment
			1	2	
Seat front edge static load test	EN 1728: 2012 + AC: 2013 clause 6.5	Force, N Cycles	- -	1000 10	NA
Footrest static load test	EN 1728: 2012 + AC: 2013 clause 6.8	Force, N Cycles	750 10	1000 10	NA
Armrest downward static load test	EN 1728: 2012 + AC: 2013 clause 6.11	Force, N Cycles	250 10	350 10	NA
Seat and back durability test	EN 1728: 2012 + AC: 2013 clause 6.17	Seat Force, N Back Force, N Cycles	- - -	750 250 10000	NA
Seat front edge durability test	EN 1728: 2012 + AC: 2013 clause 6.18	Force, N Cycles	- -	750 5000	NA
Armrest durability test	EN 1728: 2012 + AC: 2013 clause 6.20	Force, N Cycles	- -	200 5000	NA
Leg forward static load test	EN 1728: 2012 + AC: 2013 clause 6.15	Force, N Force, N (min) Seat load, N Cycles	180 100 300 10	300 150 750 10	P
Leg sideways static load test	EN 1728: 2012 + AC: 2013 clause 6.16	Force, N Force, N (min) Seat load, N Cycles	180 100 300 10	250 150 750 10	P
Seat impact test	EN 1728: 2012 + AC: 2013 clause 6.24	Drop height: mm Cycles	100 10	140 10	P
Back impact test	EN 1728: 2012 + AC: 2013 clause 6.25	Height of fall: mm Cycles	70 10	120 10	P

Abbreviation: P = Pass; F = Fail; NA = Not Applicable

2: Stability requirements

With reference to EN 1022: 2018 – Furniture – Seating – Determination of Stability, the submitted sample was subjected to the following tests.

Executive summary: (Before strength and durability tests)

Clause	Test Items	Test Parameters	Test Level		Assessment
			1	2	
Forward overturning	EN 1022: 2018 clause 7.3.1 and 7.3.2	Seat force, N Horizontal force, N	250 20	500 20	P
Corner stability	EN 1022: 2018 clause 7.3.3	Seat force, N	-	250	P
Sideways stability without arms	EN 1022: 2018 clause 7.3.4	Seat force, N Horizontal force, N	250 20	500 20	P
Sideways stability with armrests	EN 1022: 2018 clause 7.3.5	Arm force, N Seat force, N Horizontal force, N	150 110 20	300 210 20	NA
Rearwards stability	EN 1022: 2018 clause 7.3.6	Seat force, N Back force, N	250 70	500 130	P



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Tests Conducted

Abbreviation: P = Pass; F = Fail; NA = Not Applicable

Executive summary: (After strength and durability tests)

Clause	Test Items	Test Parameters	Test Level		Assessment
			1	2	
Forward overturning	EN 1022: 2018 clause 7.3.1 and 7.3.2	Seat force, N Horizontal force, N	250 20	500 20	P
Corner stability	EN 1022: 2018 clause 7.3.3	Seat force, N	-	250	P
Sideways stability without arms	EN 1022: 2018 clause 7.3.4	Seat force, N Horizontal force, N	250 20	500 20	P
Sideways stability with armrests	EN 1022: 2018 clause 7.3.5	Arm force, N Seat force, N Horizontal force, N	150 110 20	300 210 20	NA
Rearwards stability	EN 1022: 2018 clause 7.3.6	Seat force, N Back force, N	250 70	500 130	P

Abbreviation: P = Pass; F = Fail; NA = Not Applicable

2 Children's Furniture – Seating for children – Safety requirements and test methods

As per BS EN 17191: 2021 Children's Furniture – Seating for children – Safety requirements and test methods, the submitted sample was subjected to the following tests.

Number of sample tested: One (1) piece.

Seating size: Size 1

Test level: Level 1.

Initial inspection: No visible defect was found.

Executive summary:

Clause	Test Items	Assessment
1	Scope	--
2	Normative references	--
3	Terms and definitions	--
4	General requirements and test conditions	--
5	Test equipment	--
6	General safety requirements	--
6.1	Hazards from glass There shall be no glass in seating for children.	P



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Tests Conducted

Clause	Test Items	Assessment
6.2	Surfaces, edges, corners and points All parts shall be designed so that physical injury and damage are avoided. This requirement is fulfilled when: - the edges of the seat, back rest and arm rests, which are in contact with the child when sitting in the seating, are rounded or chamfered; - the edges of handles are rounded in the direction of the force applied; - all other accessible edges and corners are smooth, rounded or chamfered and with no burrs; - there is no pointed or protruding surface that constitutes a puncture hazard; - rough surfaces shall not cause injury during use.	P
6.3	Entrapment hazards	--
6.3.1	Finger entrapment hazards When tested in accordance with 6.3.1.2, there shall be no completely bound openings in rigid materials that let the 7 mm probe enter unless the depth of penetration is less than 10 mm or unless the shape assessment probe enters. When measured in accordance with 6.3.1.2, it shall not be possible for the 7 mm finger probe for mesh to penetrate the holes of the mesh to the 7 mm diameter section.	P
6.3.2	Partially bound, V and irregular shaped openings The following requirements apply to size 1 seating only. Partially bound and V shaped openings with a lower edge ≥ 600 mm above the ground shall be constructed so that, when tested in accordance with 6.3.2.2, either: c) portion B of the V and irregular shaped openings template does not enter the opening; or d) the apex of portion A of the V and irregular shaped openings template makes contact with the base of the opening.	P
6.4	Hazards caused by folding of the seating	--
6.4.1	Requirements	--
6.4.1.1	General The requirements in 6.4.1.2 and 6.4.1.3 do not apply to deckchairs. There shall be at least one locking mechanism, which prevents a foldable seating form folding when in use.	NA
6.4.1.2	Incomplete deployment during the setting up In order to prevent hazards due to incomplete deployment, the foldable seating shall fulfil one of the following requirements: c) the weight of the child in the foldable seating shall act to prevent folding; or d) at least one locking device shall engage automatically when the foldable seating is ready for use.	NA



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Clause	Test Items	Assessment
6.4.1.3	Unintentional folding of the seating Unintentional folding of the foldable seating shall be prevented. This requirement is fulfilled if one of the following conditions is met: f) at least one operating device requires a minimum force of 50 N to activate and a maximum force of 300 N, before and after all locking mechanisms have been operated 300 times; or g) folding is only possible if at least one locking mechanism requires the use of a tool; or h) folding is only possible when two independent operating devices are operated simultaneously; or i) there are two or more automatic locking devices that cannot both be released by one single action; or j) folding of the foldable seating requires two consecutive actions, the first of which shall be maintained while the second is carried out.	NA
6.4.2	Automatic locking devices When tested in accordance with 6.4.2.2 automatic locking devices shall not release or open.	NA
6.5	Hazards caused by deckchairs All deckchairs, regardless of size, shall be fitted with a locking device that fulfils the requirements of 6.5.2. During the tests, the transverse bar is allowed to disengage from its initial locking position. At the end of each test (not only those specified in 6.5.3): - the transverse bar shall be correctly engaged in any locking position; - if during testing according to 6.5.3.1 the deckchair lifts without disengagement of the transverse bar from its locking position before the 450N force is reached the requirement is considered as to be met; - there shall be no fracture of any component or any joint; - there shall be no loosening of any assembly intended to be rigid; - there shall be no loss of function of the seating or any component.	NA
6.6	Hazard from moving parts	--
6.6.1	Shearing and compression hazards when setting up and folding Unless 6.6.2 or 6.6.3 is applicable, shearing and compression hazards that are created only during erecting, adjusting or folding away the seating are acceptable because the user can be assumed to be in control of his/her movements and to be able to cease applying the force immediately on experiencing pain.	NA



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Clause	Test Items	Assessment
6.6.2	Shearing and compression points under influence of powered mechanism To avoid shearing and compression points created under the influence of a powered mechanism, the minimum clearance between parts moving relative to each other shall be 25 mm during all movements unless the clearance between the parts is always less than 5 mm.	NA
6.6.3	Shearing and compression points during use To avoid shearing and compression points created by forces applied during normal use, the minimum clearance between parts moving relative to each other shall be: c) 12 mm for size 1 seating, unless the clearance between the parts is always less than 5 mm; and d) 18 mm for size 2 and 3 seating, unless the clearance between the parts is always less than 5 mm. For size 1 and 2, the forces applied during the static tests shall be used to assess the requirements. For size 3, the forces applied during the durability shall be used to assess the requirements.	P



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Tests Conducted

Clause	Test Items	Assessment
6.7	Hazards from enclosure Seating which a child can enter shall conform to the following requirements: d) any seating having a door, lid or similar device which encloses a continuous volume greater than 0,03 m³ and in which all internal dimensions are 150 mm or more shall provide at least two unobstructed ventilation holes, each 650 mm² or more, situated at least 150 mm apart. The total ventilation area shall be provided when the seating is placed on the floor in any position and adjacent to two vertical plane surfaces meeting at a 90° angle so as to simulate the corner of a room. The ventilation area is not required if the continuous volume is effectively sub-divided into compartment(s) by a permanent partition(s) or one or more bars making at least one dimension in the compartment less than 150 mm; e) for seating having a door, lid or similar device, it shall be possible to open the door, lid or similar device by applying a force of 50 N or less from the inside; f) seating chests with vertically opening hinged lids shall be provided with a lid-support mechanism to prevent sudden collapse or dropping of the lid. The lid-support mechanism shall support the lid so that at no position in the arc of travel of the lid from within 50 mm of the fully closed position through an arc not to exceed 60° from the fully closed position shall it drop more than 12 mm under the influence of its own mass, except in the last 50 mm of travel. The test shall be performed according to EN 71-1:2014+A1:2018, 8.31.2 (lid support). The lid-support mechanism shall conform to this requirement before and after being subjected to 7 000 opening and closing cycles, as described in EN 71-1:2014+A1:2018, 8.31.3 (durability test for vertically opening hinged lids). The lid-support mechanism shall not require adjustment by the consumer to ensure adequate lid support, nor shall it require adjustment in order to conform to the above requirement after being cycled according to EN 71-1:2014+A1:2018, 8.31.3 (durability test for vertically opening hinged lids). The lid and lid-support mechanism shall conform to the requirements in EN 71-1:2014+A1:2018, 4.10.3 (hinges). Seating chests with vertically opening hinged lids shall be accompanied by instructions for proper assembly and maintenance, if applicable.	NA



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Clause	Test Items	Assessment
6.8	Entanglement hazards The following requirements apply to size 1 seating only. Cords, ribbons and similar parts shall have a maximum free length of 200 mm when a 25 N tensile force is applied. Where cords, ribbons and similar parts are attached to the seating together or within 80 mm of each other, any single cord shall have a maximum free length of 220 mm and the combined length from one loose end to the other shall be maximum 360 mm. Loops shall have a maximum peripheral dimension of 360 mm when a 25 N tensile force is applied. When the seating is equipped with a restraint system to fulfil another function, the restraint system shall be capable of being removed, hidden or covered in accordance with the manufacturer's instructions.	NA
6.9	Choking and ingestion hazards	--
6.9.1	Requirements The following requirements apply to size 1 seating and soft seating only. The following requirements do not apply to paper. When tested in accordance with 6.9.2, any component or part of a component, including labels and decals, that can be removed shall not fit entirely within the small parts cylinder.	P
6.9.2	Test methods	--
6.9.3	Filling material	--
6.9.3.1	Requirements The following requirements apply to size 1 seating and all sizes of soft seating only. When tested in accordance with 6.9.3.3 no upholstery filling material (for example fibre, foam, granules) shall be accessible from any upholstered seating. When tested in accordance with 6.9.3.3.2.2, the force of rupture shall be greater than 60 N. When tested in accordance with 6.9.3.3.2.1, slippage of threads of seating cover for woven fabrics, the maximum slippage of thread shall be 7 mm, When tested in accordance with 6.9.3.3.2.3, slide fasteners (zip), any slide fastener (zip) shall not open. When tested in accordance with 6.9.3.3.3, it shall not be possible to insert the front part of a 12 mm diameter probe into any opening in the seam or cover material by more than 6 mm.	NA



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Clause	Test Items	Assessment
6.9.3.2	Removable seating covers The following requirements apply to size 1 seating and all sizes of soft seating only. The means to close/attach removeable covers shall not allow a child to have access to filling materials. This requirement is met if one of the following conditions is fulfilled: f) a minimum force of 50 N is required to open the closing system; or g) two actions (e.g. push and twist) are necessary to open the closing system, the first of which shall be maintained while the second is carried out; or h) two independent actions are necessary to open the closing system that shall be operated simultaneously; or i) the use of a tool is required to open the closing system; or j) a non-removable inner cover is provided to avoid accessibility to the filling material.	NA
6.9.3.3	Test methods	--
6.9.4	Magnets If magnets are provided with the seating, they shall fulfil the requirements of EN 71-1:2014+A1:2018, 4.23.2.	NA
6.10	Suffocation hazards Plastic sheeting used for packaging with an area greater than 100 mm x 100 mm shall conform to one of the following requirements: c) have an average sheet thickness of 0,038 mm or more; or d) be perforated with defined holes so that a minimum of 1% of the area has been removed over any area of 30 mm x 30 mm. Plastic bags used for packaging with an opening perimeter greater than 360 mm shall not have a drawstring or cord as a means of closing. Shrink packaging that is destroyed, when the packaging is opened by the user, is excluded from these requirements. Any plastic covering used for packaging, with the exclusion of shrink packaging, having an opening perimeter greater than 360 mm shall be marked with the word "WARNING" followed by the statement "Keep plastic covering away from children to avoid suffocation". This statement may be expressed in different words providing they clearly convey the same message. The text shall be accompanied by the symbol of the warning triangle .	NA
7	Chemicals requirements The following requirements apply to size 1 seating only. Verification shall be provided that the migration of heavy metals in the surfaces of any material used that are accessible to the mouth of the child fulfil the requirements of EN 71-3:2019+A1:2021.	P See test data



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Clause	Test Items	Assessment
8	Fire and thermal hazards Verification shall be provided that all accessible textile materials do not produce surface flash when tested according to EN 71-2:2020, 5.5.1 and 5.5.2.	NA
9	Strength and durability requirements	See remark 1
10	Stability requirements	--
10.1	General The following tests and requirements do not apply to soft seating. Deckchairs, Rocking chairs and reclining chairs shall be tested according to Table 4 with the exception of the rearward stability. Rocking chairs and reclining chairs shall additionally be tested according to Table 5. Deckchairs shall be tested for stability according to Table 4 but are not subject to tests according to Table 5. The stability tests shall be carried out in accordance with EN 1022:2018, except that loading points shall be as specified in 9.1.1, and the forces as specified in Table 4. The stability tests shall be carried out before and after the strength and durability tests specified in 9.4. Size 1 and 2 seating shall be tested according to test level 1 specified in Table 4. Size 3 seating shall be tested according to test level 2 specified in Table 4. The stability requirements are fulfilled when, during testing in accordance with 10.1 and 10.2, the seating does not overturn.	See remark 2
10.2	Alternative rearwards stability tests for rocking and reclining chairs	--
10.2.1	Rocking chairs This test replaces the rearwards stability test specified in Table 4. Rocking chairs shall be tested in accordance with EN 1022:2018, 7.4.5, with the following test loads: Size 1 seating Load the seating with the test mass, resting against the backrest. Size 2 seating Load the seating with three loading discs as specified in EN 1022:2018, 5.7. If it is not possible to use the test discs specified in EN 1022:2018, these disks may be substituted for test disks with a smaller diameter but the same height and mass to allow testing to be carried out on seatings with a small seat area. Size 3 seating Load the seating with six loading discs as specified in EN 1022:2018, 4.4. If it is not possible to use the test discs specified in EN 1022:2018, they may be substituted with discs with a smaller diameter but with the same mass and height.	NA



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Tests Conducted

Clause	Test Items	Assessment
10.2.2	Reclining chairs Reclining chairs shall be tested in accordance with EN 1022:2018, 7.4, using the following test loads: Size 1 seating Load the seating with the test mass, resting against the backrest and perform the test according to EN 1022:2018, 5.7. Size 2 and 3 seating Load the seating with two loading discs on the seat and four loading discs on the back as specified in EN 1022:2018, 5.7. If it is not possible to use the test discs specified in EN 1022:2018, they may be substituted with discs with a smaller diameter but with the same mass and height.	NA
10.2.3	Summary	--
11	Product information	--
11.1	General Product information shall be provided in the official language(s) of the country in which the seating is sold.	P
11.2	Marking	--
11.2.1	Requirements Seating which fulfils the requirements of this document shall be permanently marked with the following: - the name or trade mark of the manufacturer or importer. Marking shall be conspicuous, durable and legible and any labels shall be securely attached.	P
11.2.2	Durability of marking After testing in accordance with 11.2.2.2 no label and/or marking shall be removed and markings shall remain legible.	P
11.3	Purchase information Size 1 tall chairs, which do not fulfil the requirements of EN 14988:2017+A1:2020, shall include a statement or symbol pointing out that the seating is not suitable for children under 3 years old.	NA
11.4	Instructions for use	--
11.4.1	General Instructions for the safe use of the seating shall be provided and shall be headed "IMPORTANT! READ CAREFULLY AND KEEP FOR FUTURE REFERENCE" in letters not less than 5 mm high.	P



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Clause	Test Items	Assessment
11.4.2	Warnings The instructions shall contain: The word "WARNING" written in upper case, followed by the following statements: - "DO NOT place this product near a window as it can be used as a step by the child and cause the child to fall out of the window"; - "Be aware of the risk of open fires and other sources of strong heat in the vicinity of the product"; - "DO NOT place this product near a window where cords from blinds or curtains could strangle a child". These statements may be expressed in different words providing they clearly convey the same message.	P
11.4.3	Additional information The instructions shall contain the following additional information: j) number and date of this document; k) the name or trade mark of the manufacturer or importer and the respective European address, including the webpage if appropriate; l) means of identifying the seating e.g. model number; m) the age of the child for which the seating is intended; n) if applicable an assembly drawing, list and description of parts and tools required for assembly and a diagram of the bolts and other fastenings required; o) if applicable, a statement that all assembly fittings should always be tightened properly; p) a statement not to use the seating if any part is broken, torn or missing and use only spare parts approved by the manufacturer; q) if applicable, cleaning and maintenance recommendations; r) if the seating is equipped with a restraint system, a statement that the restraint system shall be removed/hidden/covered (as applicable) when the product is used as a seating.	P

Abbreviation: P = Pass; F = Fail; NA = Not Applicable; NR = Not Requested by the applicant

Remark:

1: Strength and durability tests

With reference to EN 1728: 2012 + AC: 2013 Furniture – Seating – Test Methods for the Determination of Strength and Durability, the submitted sample was subjected to the following tests.

Executive summary:

Clause	Test Items	Test Parameters	Test Level		Assessment
			1	2	
Seat and back static load test	EN 1728: 2012 + AC: 2013 clause 6.4	Seat force: N Back force: N Min Back force: N Cycles	750 200 170 10	1000 250 200 10	P



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Tests Conducted

Clause	Test Items	Test Parameters	Test Level		Assessment
			1	2	
Seat front edge static load test	EN 1728: 2012 + AC: 2013 clause 6.5	Force, N Cycles	- -	1000 10	NA
Footrest static load test	EN 1728: 2012 + AC: 2013 clause 6.8	Force, N Cycles	750 10	1000 10	NA
Armrest downward static load test	EN 1728: 2012 + AC: 2013 clause 6.11	Force, N Cycles	250 10	350 10	NA
Seat and back durability test	EN 1728: 2012 + AC: 2013 clause 6.17	Seat Force, N Back Force, N Cycles	- - -	750 250 10000	NA
Seat front edge durability test	EN 1728: 2012 + AC: 2013 clause 6.18	Force, N Cycles	- -	750 5000	NA
Armrest durability test	EN 1728: 2012 + AC: 2013 clause 6.20	Force, N Cycles	- -	200 5000	NA
Leg forward static load test	EN 1728: 2012 + AC: 2013 clause 6.15	Force, N Force, N (min) Seat load, N Cycles	180 100 300 10	300 150 750 10	P
Leg sideways static load test	EN 1728: 2012 + AC: 2013 clause 6.16	Force, N Force, N (min) Seat load, N Cycles	180 100 300 10	250 150 750 10	P
Seat impact test	EN 1728: 2012 + AC: 2013 clause 6.24	Drop height: mm Cycles	100 10	140 10	P
Back impact test	EN 1728: 2012 + AC: 2013 clause 6.25	Height of fall: mm Cycles	70 10	120 10	P

Abbreviation: P = Pass; F = Fail; NA = Not Applicable

2: Stability requirements

With reference to EN 1022: 2018 – Furniture – Seating – Determination of Stability, the submitted sample was subjected to the following tests.

Executive summary: (Before strength and durability tests)

Clause	Test Items	Test Parameters	Test Level		Assessment
			1	2	
Forward overturning	EN 1022: 2018 clause 7.3.1 and 7.3.2	Seat force, N Horizontal force, N	250 20	500 20	P
Corner stability	EN 1022: 2018 clause 7.3.3	Seat force, N	-	250	P
Sideways stability without arms	EN 1022: 2018 clause 7.3.4	Seat force, N Horizontal force, N	250 20	500 20	P
Sideways stability with armrests	EN 1022: 2018 clause 7.3.5	Arm force, N Seat force, N Horizontal force, N	150 110 20	300 210 20	NA
Rearwards stability	EN 1022: 2018 clause 7.3.6	Seat force, N Back force, N	250 70	500 130	P



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Tests Conducted

Abbreviation: P = Pass; F = Fail; NA = Not Applicable

Executive summary: (After strength and durability tests)

Clause	Test Items	Test Parameters	Test Level		Assessment
			1	2	
Forward overturning	EN 1022: 2018 clause 7.3.1 and 7.3.2	Seat force, N Horizontal force, N	250 20	500 20	P
Corner stability	EN 1022: 2018 clause 7.3.3	Seat force, N	-	250	P
Sideways stability without arms	EN 1022: 2018 clause 7.3.4	Seat force, N Horizontal force, N	250 20	500 20	P
Sideways stability with armrests	EN 1022: 2018 clause 7.3.5	Arm force, N Seat force, N Horizontal force, N	150 110 20	300 210 20	NA
Rearwards stability	EN 1022: 2018 clause 7.3.6	Seat force, N Back force, N	250 70	500 130	P

Abbreviation: P = Pass; F = Fail; NA = Not Applicable

3. Mechanical and Physical Test

Test standard: European Standard on Safety of toys EN 71-1: 2014+A1: 2018.

Clause	Requirement	Result
4	General requirements	
4.1	Material	P
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	P
4.16	Heavy immobile toys	P
4.17	Projectile toys	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA



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Tests Conducted

Clause	Requirement	Result
4.20	Acoustics	NA
4.21	Toys containing a non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
4.26	Toy disguise costumes	NA
4.27	Flying toys	NA
5	Toys intended for children under 36 months	
5.1	General requirements	NA
5.2	Soft-filled toys and soft-filled parts of a toy	NA
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
5.5	Liquid filled toys	NA
5.6	Speed limitation of electrically-driven ride-on toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15	Sledges with cords for pulling	NA
6	Packaging	NA
7	Warnings, markings and instructions for use	
7.1	General	P
7.2	Toys not intended for children under 36 months	P
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectile toys	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inline skates and skateboards and certain other ride-on toys	NA
7.11	Toys intended to be strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethingers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA



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Tests Conducted

Clause	Requirement	Result
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300 mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA
7.23	Toys intended to be attached to a cradle, cot or perambulator	NA
7.24	Sledges with cords for pulling	NA
7.25	Flying toys	NA
7.26	Improvised projectiles	NA

Abbreviation: P = Pass NA = Not Applicable NR=Not Requested

Note: According to 2009/48/EC, warnings and safety instructions shall be written in a language or languages easily understood by consumers.

- Age warning statement and the indication of hazard was found on the packaging.

The testing scope of European standard on safety of toy EN 71 was not applicable to the submitted samples. Therefore, the warning and other requirements specified in clause 7 did not apply.

4. Mechanical and Physical Test

Test standard: British Standard on Safety of toys BS EN 71-1: 2014+A1: 2018.

Clause	Requirement	Result
4	General requirements	
4.1	Material	P
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA



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Tests Conducted

Clause	Requirement	Result
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	P
4.16	Heavy immobile toys	P
4.17	Projectile toys	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	NA
4.21	Toys containing a non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
4.26	Toy disguise costumes	NA
4.27	Flying toys	NA
5	Toys intended for children under 36 months	
5.1	General requirements	NA
5.2	Soft-filled toys and soft-filled parts of a toy	NA
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
5.5	Liquid filled toys	NA
5.6	Speed limitation of electrically-driven ride-on toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15	Sledges with cords for pulling	NA
6	Packaging	NA
7	Warnings, markings and instructions for use	
7.1	General	P
7.2	Toys not intended for children under 36 months	P
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectile toys	NA
7.8	Imitation protective masks and helmets	NA



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Tests Conducted

Clause	Requirement	Result
7.9	Toy kites	NA
7.10	Roller skates, inline skates and skateboards and certain other ride-on toys	NA
7.11	Toys intended to be strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethingers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300 mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA
7.23	Toys intended to be attached to a cradle, cot or perambulator	NA
7.24	Sledges with cords for pulling	NA
7.25	Flying toys	NA
7.26	Improvised projectiles	NA

Abbreviation: P = Pass

NA = Not Applicable

NR = Not Requested

Note: According to 2009/48/EC, warnings and safety instructions shall be written in a language or languages easily understood by consumers.

- Age warning statement and the indication of hazard was found on the packaging / toy.

The testing scope of British standard on safety of toy BS EN 71 was not applicable to the submitted samples. Therefore, the warning and other requirements specified in clause 7 did not apply.

5 Flammability Test

Test Standard: European Standard on Safety of Toys EN 71 - 2: 2020.

Clause	Testing items	Assessment
4.1	General requirements	P
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft filled toys	NA



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Tests Conducted

Abbreviation: P = Pass NA = Not applicable

6 Flammability Test

Test Standard: British Standard on Safety of Toys BS EN 71 - 2: 2020

Clause	Requirement	Result
4.1	General requirements	P
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft filled toys	NA

Abbreviation: P = Pass NA = Not applicable NR=Not Requested



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Tests Conducted

7 EU Labeling Assessment

As per the client's requirements, the submitted sample was subjected to the following test requirement.

Executive summary:

Attribute	Test Method/Standard	Requirement/Limit	Result
Labeling			
† Product and Economic Operator Information on Product	Regulation (EU) 2023/988 (GPSR)	The following information shall be placed on the product or, where that is not possible, on its packaging or in a document accompanying the product: - Product identification (e.g. type, batch or serial number) - Economic operator's name, trade name or trade mark (or nominated representative in the EU) - Economic operator's postal and electronic address (or nominated representative in the EU) The product shall be accompanied by clear instructions and safety information in a language easily understood by consumers as applicable.	P
† Product and Economic Operator Information on Website (if applicable)	Regulation (EU) 2023/988 (GPSR)	The following information shall be made available to the consumer when viewing a product on an on-line sales website: - Important safety information and warnings, as well as any other important information relating to the operation or function of the product - Product identification (including a picture, type, and other product identifier e.g. batch or serial number) - Economic operator's name, trade name or trade mark (or nominated representative in the EU) - Economic operator's postal and electronic address (or nominated representative in the EU)	NA (See note)

Abbreviation : P = Pass; NA = Not Applicable; NR = Not Requested by The Applicant

Note: The submitted samples were not sold online during testing.

8 Physical and Mechanical Test

Test standard: Canada Consumer Product Safety Act Toys Regulations SOR/2011-17.

The submitted samples were undergone the use and abuse tests in accordance with the Canada Consumer



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Tests Conducted

Product Safety Act Toys Regulations (SOR/2011-17):	
<u>Test</u>	<u>Parameter</u>
Drop test	4 x 0.914 m
Pull test	44.5 N
Push test	44.5N

No.	Requirement	Result
3	General - English and French bilingual statement	NA
	Packaging	
4	(a) The opening perimeter is less than 356mm	NA
	(b) The opening perimeter is 356mm or more	NA
	Electrical hazard	
5	Electrically operated toys	NA
6	Electrically heated toys	NA
	Mechanical hazard	
7	Small parts	NA
8	Metal edges	P
9	Wire frames	NA
10	Plastic edges	NA
11	Wooden surfaces, edges and corners	NA
12	Glass	NA
13	Fasteners	P
14	Folding mechanism, bracket or bracing	NA
15	Spring-wound driving mechanisms	NA
16	Projectile components	NA
17	Toys which a child can enter and which can be closed by a lid or door	NA
18	Stationary toy that is intended to bear the weight of a child	P
	Auditory hazards	
19	Noise limit	NA
	Thermal hazards	
20	Heated surfaces, parts or substances	NA
	Dolls, plush toys and soft toys	
28	Fastenings to attach parts, clothing or ornamentation	NA
29	Stuffing materials	NA



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Tests Conducted

No.	Requirement	Result
	(a) Clean and free from vermin	NA
	(b) Free from hard and sharp foreign matter	NA
30	Small parts -Squeaker, reed, valve or other similar device	NA
31	Eyes and noses	NA
	Plant seeds	
35	Plant seeds for making noise	NA
36	Plant seeds for stuffing material	NA
37	Shaft-like handle	NA
38	Toy steam engines boilers	NA
40	Rattle	NA
41	Elastics	NA
42	Yo-yo type balls	NA
	(a) Stretchable cords	NA
	(b) Similar product	NA
	Magnetic Toys	
43	Magnetic force	NA
44	(1) Exceptions of 44 (1)(a)	NA
	Exceptions of 44 (1)(b)	NA
	(2) Warning – Container and instructions or use for 44 (1)(b)	NA

Abbreviation: P = Pass F= Fail NA = Not Applicable NR=Not Requested



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Tests Conducted

9 Cellulose Nitrate and Celluloid

Test Standard : Canada Consumer Product Safety Act Toys Regulation SOR 2011-17 section 21.

Cellulose Nitrate/Celluloid	Assessment Absent	Requirement Absent
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10 Migration of certain elements (BS EN 17191:2021)

(A) Test Result

With reference to EN 71-3:2019+A1:2021 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Argon Mass Spectrometry, Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry, Ion Chromatography with UV-VIS and Gas Chromatographic - Mass Spectrometry.

Category (III): Scraped-off toy material

Element	Result (mg/kg)				Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(1)	(2)	(3)	(4)		
Aluminium (Al)	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	14	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) #	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	12	12	13	14	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	2.5	180000
Organic tin **	ND	ND	ND	ND	5	12
Zinc (Zn)	ND	780	ND	ND	100	46000

Element	Result (mg/kg)					Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component						
	(5)	(6)	(7)	(10)	(11)		
Aluminium (Al)	423	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	ND	10	47

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Barium (Ba)	10	17	17	ND	11	10	18750
Boron (B)	ND	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) #	ND	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	ND	10	130
Copper (Cu)	11	13	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	38	ND	165	10	15000
Mercury (Hg)	ND	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	ND	2.5	180000
Organic tin **	ND	ND	ND	ND	ND	5	12
Zinc (Zn)	301	ND	ND	ND	ND	100	46000

Element	Result (mg/kg) θ	Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(8) (9)		
Aluminium (Al)	ND	300	28130
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	0.025	0.053
Cobalt (Co)	ND	10	130
Copper (Cu)	ND	10	7700
Lead (Pb)	ND	10	23
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	5	12
Zinc (Zn)	ND	100	46000

Remark : mg/kg = milligram per kilogram
 ++ = Unless the test results were marked with "Δ", Organic tin contents were not directly determined and were derived from migration results of total tin.
 - Organic tin test result was expressed as tributyl tin.
 ND = Not detected (less than reporting limit)
 θ = Single result for each test component/group
 # = The reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium(VI).

Tested components: See component list in the last section of this report



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(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).

11 Migration of certain elements (EN 17191:2021)

(A) Test Result

With reference to EN 71-3:2019+A1:2021 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Argon Mass Spectrometry, Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry, Ion Chromatography with UV-VIS and Gas Chromatographic - Mass Spectrometry.

Category (III): Scraped-off toy material

Element	Result (mg/kg)				Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(1)	(2)	(3)	(4)		
Aluminium (Al)	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	14	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) [#]	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	12	12	13	14	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	2.5	180000



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Organic tin **	ND	ND	ND	ND	5	12
Zinc (Zn)	ND	780	ND	ND	100	46000

Element	Result (mg/kg)					Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component						
	(5)	(6)	(7)	(10)	(11)		
Aluminium (Al)	423	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	ND	10	47
Barium (Ba)	10	17	17	ND	11	10	18750
Boron (B)	ND	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) [#]	ND	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	ND	10	130
Copper (Cu)	11	13	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	38	ND	165	10	15000
Mercury (Hg)	ND	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	ND	2.5	180000
Organic tin ^{**}	ND	ND	ND	ND	ND	5	12
Zinc (Zn)	301	ND	ND	ND	ND	100	46000

Element	Result (mg/kg) θ	Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(8) (9)		
Aluminium (Al)	ND	300	28130
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	0.025	0.053
Cobalt (Co)	ND	10	130
Copper (Cu)	ND	10	7700
Lead (Pb)	ND	10	23
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	5	12
Zinc (Zn)	ND	100	46000

Remark : mg/kg = milligram per kilogram



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Tests Conducted

++ = Unless the test results were marked with "Δ", Organic tin contents were not directly determined and were derived from migration results of total tin.
- Organic tin test result was expressed as tributyl tin.
ND = Not detected (less than reporting limit)
θ = Single result for each test component/group
= The reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium(VI).

Tested components: See component list in the last section of this report

(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).

12 Toxic Elements Analysis (CCPSA SOR/2011-17 and Amendment SOR/2022-122)

With reference to Method C-02.2.1, C-07 published in Health Canada Product safety reference manual Book 5 - Laboratory Policies and Procedures Part B: Test Methods Section, acid digestion method was used and toxic elements content were determined by Inductively Coupled Plasma-mass Spectrometry.

Element	Result θ	Detection	Limit (mg/kg)
	Tested component	Limit	
	(1+2+3) (4+5+6)	(mg/kg)	
Tot. Lead (Pb)	ND	10	90
Tot. Mercury (Hg)	ND	0.047	10

With reference to Section 8.3.2 to 8.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-23, extraction method was used and toxic elements content were determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result						Detection Limit (mg/kg)	Limit (mg/kg)
	Tested component							
	(1)	(2)	(3)	(4)	(5)	(6)		
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	ND	5	1000
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	ND	5	1000


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Tests Conducted

Sol. Selenium (Se)	ND	ND	ND	ND	ND	ND	5	1000
Sol. Arsenic (As)	ND	ND	ND	ND	ND	ND	2.5	1000
Sol. Barium (Ba)	10	ND	ND	ND	7	12	5	1000

The above limit was quoted according to Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 and Amendment SOR/2022-122 Section 23 for prohibition on toxic elements in stickers, films and surface coating materials.

Tot. = Total

Sol. = Soluble

ND = Not detected (less than detection limit)

θ = Single result for each test component/group

Tested Components: See component list in the last section of this report



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Tests Conducted

13 Total Lead (Pb) content (CCPSA SOR/2018-83)

As per Method C-02.2.2, C-02.3.2, C-02.4.1, published in Health Canada Product safety reference manual Book 5 - Laboratory Policies and Procedures Part B: Test Methods Section, acid digestion was used and Total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (mg/kg) θ	Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(1+2+3) (4+5+6) (7+8) (9+10) (12)		
Lead (Pb)	ND	10	90

The above limit was quoted according to Canada Consumer Products Containing Lead Regulations SOR/2018-83.

ND = Not detected (less than detection limit)
 θ = Single result for each test component/group

Tested Components: See component list in the last section of this report

14 Total Lead (Pb) Content (CCPSA SOR/2016-193 and Amendment SOR/2022-122)

As per Method C-02.2.2 published in Health Canada Product safety reference manual Book 5 - Laboratory Policies and Procedures Part B: Test Methods Section, acid digestion method was used and determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (mg/kg) θ	Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(1+2+3) (4+5+6)		
Lead (Pb)	ND	10	90

The above limit was quoted according to Canada Consumer Product Safety Act Surface Coating Materials Regulations SOR/2016-193 and Amendment SOR/2022-122 for prohibition on Lead in stickers, films or surface coating materials.

ND = Not detected (less than detection limit)
 θ = Single result for each test component/group

Tested components: See component list in the last section of this report



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Tests Conducted

15 Phthalate Content (CCPSA SOR/2016-188)

As per Method CPSC-CH-C1001-09.3 and followed by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

For 6 phthalate

Test Item	CAS No.	Result (mg/kg) θ	Reporting Limit (mg/kg)	Limit (mg/kg)
		Tested Component		
		(1+2+3) (4+5+6)		
Dibutyl phthalate (DBP)	84-74-2	ND	100	1000
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	100	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	100	1000
Di-iso-nonyl phthalate (DINP)	28553-12-0	ND	100	1000
Di-n-octyl phthalate (DNOP)	117-84-0	ND	100	1000
Di-iso-decyl phthalate (DIDP)	26761-40-0	ND	100	1000

The above limit was quoted according to Canada Consumer Product Safety Act Phthalates Regulations SOR/2016-188 for phthalate content on toys and child care articles.

ND = Not detected (less than reporting limit)

θ = Single result for each test component/group

Tested components: See component list in the last section of this report

16 19 Toxic Element Migration Test

(A) Test Result

With reference to EN 71-3:2019+A1:2021 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Argon Mass Spectrometry, Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry, Ion Chromatography with UV-VIS and Gas Chromatographic - Mass Spectrometry.

Category (III): Scraped-off toy material

Element	Result (mg/kg)				Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(1)	(2)	(3)	(4)		
Aluminium (Al)	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	14	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) #	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	12	12	13	14	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23



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Tests Conducted

Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	2.5	180000
Organic tin **	ND	ND	ND	ND	5	12
Zinc (Zn)	ND	780	ND	ND	100	46000

Element	Result (mg/kg)					Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component						
	(5)	(6)	(7)	(10)	(11)		
Aluminium (Al)	423	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	ND	10	47
Barium (Ba)	10	17	17	ND	11	10	18750
Boron (B)	ND	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) #	ND	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	ND	10	130
Copper (Cu)	11	13	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	38	ND	165	10	15000
Mercury (Hg)	ND	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	ND	2.5	180000
Organic tin **	ND	ND	ND	ND	ND	5	12
Zinc (Zn)	301	ND	ND	ND	ND	100	46000

Element	Result (mg/kg) θ	Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(8) (9)		
Aluminium (Al)	ND	300	28130
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	0.025	0.053
Cobalt (Co)	ND	10	130
Copper (Cu)	ND	10	7700
Lead (Pb)	ND	10	23
Manganese (Mn)	ND	10	15000
Mercury (Hg)	ND	10	94
Nickel (Ni)	ND	10	930
Selenium (Se)	ND	10	460



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Tests Conducted

Strontium (Sr)	ND	100	56000
Tin (Sn)	ND	2.5	180000
Organic tin **	ND	5	12
Zinc (Zn)	ND	100	46000

Remark : mg/kg = milligram per kilogram

++ = Unless the test results were marked with "Δ", Organic tin contents were not directly determined and were derived from migration results of total tin.

- Organic tin test result was expressed as tributyl tin.

ND = Not detected (less than detection limit)

θ = Single result for each test component/group

= The reported value of migration of Chromium (III) = migration value of total Chromium

– migration value of Chromium(VI).

Tested components: See component list in the last section of this report

(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).

17 19 Toxic Element Migration Test

(A) Test Result

With reference to BS EN 71-3:2019+A1:2021 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Argon Mass Spectrometry, Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry, Ion Chromatography with UV-VIS and Gas Chromatographic - Mass Spectrometry.

Category (III): Scraped-off toy material

Element	Result (mg/kg)				Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(1)	(2)	(3)	(4)		
Aluminium (Al)	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	10	560



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Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	14	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) #	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	12	12	13	14	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	2.5	180000
Organic tin **	ND	ND	ND	ND	5	12
Zinc (Zn)	ND	780	ND	ND	100	46000

Element	Result (mg/kg)					Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component						
	(5)	(6)	(7)	(10)	(11)		
Aluminium (Al)	423	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	ND	10	47
Barium (Ba)	10	17	17	ND	11	10	18750
Boron (B)	ND	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) [#]	ND	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	ND	10	130
Copper (Cu)	11	13	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	38	ND	165	10	15000
Mercury (Hg)	ND	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	ND	2.5	180000
Organic tin ^{**}	ND	ND	ND	ND	ND	5	12
Zinc (Zn)	301	ND	ND	ND	ND	100	46000

Element	Result (mg/kg) θ	Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(8) (9)		
Aluminium (Al)	ND	300	28130
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

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Tests Conducted

Chromium (III) (Cr III) #	ND	10	460
Chromium (VI) (Cr VI)	ND	0.025	0.053
Cobalt (Co)	ND	10	130
Copper (Cu)	ND	10	7700
Lead (Pb)	ND	10	23
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	5	12
Zinc (Zn)	ND	100	46000

Remark : mg/kg = milligram per kilogram

++ = Unless the test results were marked with "Δ", Organic tin contents were not directly determined and were derived from migration results of total tin.

- Organic tin test result was expressed as tributyl tin.

ND = Not detected (less than detection limit)

θ = Single result for each test component/group

= The reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium(VI).

Tested components: See component list in the last section of this report

(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).

18 EN 71-3:2019+A2:2024 on Migration of Certain Elements

(A) Test Result

With reference to EN 71-3:2019+A2:2024 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Argon Mass Spectrometry, Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry, Ion Chromatography with UV-VIS and Gas Chromatographic - Mass Spectrometry.



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Tests Conducted

Category (III): Scraped-off toy material

Element	Result (mg/kg)				Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(1)	(2)	(3)	(4)		
Aluminium (Al)	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	14	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) [#]	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	12	12	13	14	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	2.5	180000
Organic tin ^{**}	ND	ND	ND	ND	5	12
Zinc (Zn)	ND	780	ND	ND	100	46000

Element	Result (mg/kg)					Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component						
	(5)	(6)	(7)	(10)	(11)		
Aluminium (Al)	423	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	ND	10	47
Barium (Ba)	10	17	17	ND	11	10	18750
Boron (B)	ND	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) #	ND	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	ND	10	130
Copper (Cu)	11	13	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	38	ND	165	10	15000
Mercury (Hg)	ND	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	ND	2.5	180000
Organic tin **	ND	ND	ND	ND	ND	5	12
Zinc (Zn)	301	ND	ND	ND	ND	100	46000

Element	Result (mg/kg) θ	Reporting Limit	Limit (mg/kg)
	Tested Component		



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Tests Conducted

	(8) (9)	(mg/kg)	
Aluminium (Al)	ND	300	28130
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	0.025	0.053
Cobalt (Co)	ND	10	130
Copper (Cu)	ND	10	7700
Lead (Pb)	ND	10	23
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	5	12
Zinc (Zn)	ND	100	46000

Remark : mg/kg = milligram per kilogram

++ = Unless the test results were marked with "Δ", organic tin contents were not directly determined and were derived from migration results of total tin.

- Organic tin test result was expressed as tributyl tin.

ND = Not detected (less than detection limit)

θ = Single result for each test component/group

= The reported value of migration of chromium (III) = migration value of total chromium – migration value of chromium (VI).

Tested components: See component list in the last section of this report
(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).

19 19 Toxic Element Migration Test



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Tests Conducted

(A) Test Result

With reference to BS EN 71-3:2019+A2:2024 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Argon Mass Spectrometry, Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry, Ion Chromatography with UV-VIS and Gas Chromatographic - Mass Spectrometry.

Category (III): Scraped-off toy material

Element	Result (mg/kg)				Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(1)	(2)	(3)	(4)		
Aluminium (Al)	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	14	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) [#]	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	12	12	13	14	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	2.5	180000
Organic tin ^{**}	ND	ND	ND	ND	5	12
Zinc (Zn)	ND	780	ND	ND	100	46000

Element	Result (mg/kg)					Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component						
	(5)	(6)	(7)	(10)	(11)		
Aluminium (Al)	423	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	ND	10	47
Barium (Ba)	10	17	17	ND	11	10	18750
Boron (B)	ND	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) #	ND	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	ND	10	130
Copper (Cu)	11	13	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	38	ND	165	10	15000
Mercury (Hg)	ND	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	ND	2.5	180000



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Organic tin **	ND	ND	ND	ND	ND	5	12
Zinc (Zn)	301	ND	ND	ND	ND	100	46000

Element	Result (mg/kg) θ	Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(8) (9)		
Aluminium (Al)	ND	300	28130
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	0.025	0.053
Cobalt (Co)	ND	10	130
Copper (Cu)	ND	10	7700
Lead (Pb)	ND	10	23
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	5	12
Zinc (Zn)	ND	100	46000

Remark : mg/kg = milligram per kilogram

++ = Unless the test results were marked with "Δ", Organic tin contents were not directly determined and were derived from migration results of total tin.

- Organic tin test result was expressed as tributyl tin.

ND = Not detected (less than detection limit)

θ = Single result for each test component/group

= The reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium(VI).

Tested components: See component list in the last section of this report

(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



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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).

Component list:

- (1) Coatings on fiberboard (pattern of table & seat & seat back of green style)
- (2) Light grey with white base coating on fiberboard (surface of edge & back of table & seat & seat back of green style)
- (3) Light grey with white base coating on wood (surface of support of table & chair of green style)
- (4) Coatings on fiberboard (pattern of table & seat & seat back of pink style)
- (5) Pink with white base coating on fiberboard (surface of edge & back of table & seat & seat back of pink style)
- (6) Pink with white base coating on wood (surface of support of table & chair of pink style)
- (7) Brown fiberboard excluding coatings (body of table & chair of both styles)
- (8) Transparent glue (joint of support of table & chair of both styles)
- (9) Grey plastic (cover leg of table & chair of green style)
- (10) Pink plastic (cover leg of table & chair of pink style)
- (11) Beige wood excluding coatings (support & leg of table & chair of both styles)
- (12) Silver color metal (screw of support of table & chair of both styles)

End of report



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The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8:09/2019-(Non-binary acceptance based on guard band $w = U$) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results. Full details of our agreed decision rules and the associated risk can be viewed: <https://www.intertek.com.cn/diypage/upload/SZ-AP15-HLS-QA.pdf>.

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