

Test Report

Report No.: RGST240229014

Date: Mar 22, 2024

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Applicant : Marco Seitz Kft.

Address : Kálmán Imre utca 1

Report on the submitted sample(s) said to be:**Sample(s) Name:**

ACK ERMANN UNIVERSAL, Premium, Natural, Leather, MultiColor, Embroidery, Jeans, Overlock

Labeled Age Grading : 3 years and over

Requested Age Grade : 3 years and over

Tested Age Grading : 3 years and over

Model/Style Number : UNIVERSAL

Brand : ACKERMANN

Country of Origin : POLAND

Country of Destination : EU & US

Sample(s) received date : Feb 29, 2024

Testing period : From Feb 29, 2024 to Mar 13, 2024

Test Request**Conclusion**

- | | |
|--|------|
| (1) As specified by client, to determine the Mechanical and Physical Properties on the submitted sample(s) in accordance with European Standard on Safety of Toys - EN 71-1:2014+A1:2018 Mechanical and physical properties. | Pass |
| (2) Labeling requirements of "CE marking, manufacturer/importer name and address, and product identification" under "Directive 2009/48/EC Safety of Toy". | Pass |
| (3) As specified by client, to determine the Flammability Properties on the submitted sample(s) in accordance with European Standard on Safety of Toys - EN 71-2:2020 Flammability. | Pass |
| (4) As specified by client, to determine the Migration of Certain Elements content in the submitted sample(s) in accordance with European Standard on Safety of Toys EN 71-3:2019+A1:2021. | Pass |



Approved by:

Eason

Ben

Eason Zeng

Ben Miao

Physical

Chemical

Technical Manager

Technical Manager

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Photograph(s) of Sample



GST authenticate the photo on original report only

Specimen Description:

No.	Test sample(s) name
1	ACK ERMANN UNIVERSAL, Premium, Natural, Leather, MultiColor, Embroidery, Jeans, Overlock

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Result:**(1) Mechanical and physical properties – EN 71-1:2014+A1:2018**

Clause	Test request	Result(s)	Verdict
4	General requirements		
4.1	Material cleanliness	M	Pass
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	M	Pass
4.8	Points and metallic wires	M	Pass
4.9	Protruding parts	NA	/
4.10	Parts moving against each other		
4.10.1	Folding and sliding mechanisms	NA	/
4.10.2	Driving mechanisms	NA	/
4.10.3	Hinges	NA	/
4.10.4	Springs	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		
4.14.1	Toy which a child can enter	NA	/
4.14.2	Masks and helmets	NA	/
4.15	Toys intended to bear the mass of a child		
4.15.1	Toys propelled by a child or by other means	NA	/
4.15.2	Toy bicycles	NA	/
4.15.3	Rocking horses and similar toys	NA	/
4.15.4	Toys not propelled by child	NA	/

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Clause	Test request	Result(s)	Verdict
4.15.5	Toy scooters	NA	/
4.16	Heavy immobile toys	NA	/
4.17	Projectile toys		
4.17.1	General	NA	/
4.17.2	All projectiles	NA	/
4.17.3	Projectile toys with stored energy	NA	/
4.17.4	Certain projectile toys without stored energy	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	Toy comprising monofilament fiber	NA	/

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Clause	Test request	Result(s)	Verdict
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	M	Pass
7	Warning, marking and instructions for use		
7.1	General	NA	/
7.2	Toys not intended for children under 36 months	NA	/
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, 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 fibers	NA	/
7.18	Toy scooters	NA	/
7.19	Rocking horses and similar toys	NA	/

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Clause	Test request	Result(s)	Verdict
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	/

Note:

1. M = Meet NA = Not Applicable

(2) 2009/48/EC general labeling requirement

Requirement	Result(s)	Verdict
CE Marking	M	Pass
Manufacturer/importer name and address	M	Pass
Product identification	M	Pass

Note:

1. M = Meet

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(3) Flammability – EN 71-2:2020

Clause	Test request	Result(s)	Verdict
4	Requirement		
4.1	Cellulose nitrate	M	Pass
4.1	Highly flammable solids	M	Pass
4.1	Surface flash on a piled surface	NA	/
4.1	Flammable gases	NA	/
4.1	Extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels	NA	/
4.2	Toys to be worn on the head	NA	/
4.3	Toy disguise costumes and toys intended to be worn by child in play	NA	/
4.3	warning on product and packaging (10 - 30 mm/s)	NA	/
4.4	Toys intended to be entered by child	NA	/
4.4	warning on product and packaging (10 - 30 mm/s)	NA	/
4.5	Soft-filled toys	NA	/

Note:

1. M = Meet NA = Not Applicable

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Specimen Description:

No.	Test part(s) name
1	Black thread
2	White thread
3	Red thread
4	Blue thread
5	Yellow thread
6	Dark yellow thread
7	Dark blue thread
8	Brown thread
9	Coffee thread
10	Khaki thread
11	Green/blue thread

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(4) Migration of Certain Elements- EN 71-3:2019+A1:2021

Test Method: EN 71-3:2019+A1:2021

Test Instrument: Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES),
Inductively Coupled Plasma Mass Spectrometer (ICP-MS)
Liquid Chromatography-Inductively Coupled Plasma Mass Spectrometer (LC-ICP-MS)

Test item(s)	Unit	MDL	Limit (mg/kg)			Result(s)		
			Category1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	1	2	3
Al	mg/kg	2	2250	560	28130	N.D.	N.D.	N.D.
Sb	mg/kg	2	45	11.3	560	N.D.	N.D.	N.D.
As	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.	N.D.
Ba	mg/kg	2	1500	375	18750	N.D.	N.D.	N.D.
B	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Cd	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.	N.D.
Cr III	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Cr VI	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.	N.D.
Co	mg/kg	2	10.5	2.6	130	N.D.	N.D.	N.D.
Cu	mg/kg	2	622.5	156	7700	N.D.	N.D.	N.D.
Pb	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.	N.D.
Mn	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Hg	mg/kg	1	7.5	1.9	94	N.D.	N.D.	N.D.
Ni	mg/kg	2	75	18.8	930	N.D.	N.D.	N.D.
Se	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Sr	mg/kg	2	4500	1125	56000	N.D.	N.D.	N.D.
Sn	mg/kg	0.2	15000	3750	180000	N.D.	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.	N.D.
Zn	mg/kg	2	3750	938	46000	N.D.	N.D.	N.D.

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Test item(s)	Unit	MDL	Limit (mg/kg)			Result(s)		
			Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	4	5	6
Al	mg/kg	2	2250	560	28130	N.D.	N.D.	N.D.
Sb	mg/kg	2	45	11.3	560	N.D.	N.D.	N.D.
As	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.	N.D.
Ba	mg/kg	2	1500	375	18750	16	24	N.D.
B	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Cd	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.	N.D.
Cr III	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Cr VI	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.	N.D.
Co	mg/kg	2	10.5	2.6	130	N.D.	N.D.	N.D.
Cu	mg/kg	2	622.5	156	7700	N.D.	N.D.	N.D.
Pb	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.	N.D.
Mn	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Hg	mg/kg	1	7.5	1.9	94	N.D.	N.D.	N.D.
Ni	mg/kg	2	75	18.8	930	N.D.	N.D.	N.D.
Se	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Sr	mg/kg	2	4500	1125	56000	N.D.	N.D.	N.D.
Sn	mg/kg	0.2	15000	3750	180000	N.D.	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.	N.D.
Zn	mg/kg	2	3750	938	46000	N.D.	N.D.	N.D.

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			Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	7	8	9
Al	mg/kg	2	2250	560	28130	N.D.	N.D.	N.D.
Sb	mg/kg	2	45	11.3	560	N.D.	N.D.	N.D.
As	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.	N.D.
Ba	mg/kg	2	1500	375	18750	N.D.	N.D.	23
B	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Cd	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.	N.D.
Cr III	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Cr VI	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.	N.D.
Co	mg/kg	2	10.5	2.6	130	N.D.	N.D.	N.D.
Cu	mg/kg	2	622.5	156	7700	N.D.	N.D.	N.D.
Pb	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.	N.D.
Mn	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Hg	mg/kg	1	7.5	1.9	94	N.D.	N.D.	N.D.
Ni	mg/kg	2	75	18.8	930	N.D.	N.D.	N.D.
Se	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Sr	mg/kg	2	4500	1125	56000	N.D.	N.D.	N.D.
Sn	mg/kg	0.2	15000	3750	180000	N.D.	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.	N.D.
Zn	mg/kg	2	3750	938	46000	N.D.	N.D.	N.D.

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Sb	mg/kg	2	45	11.3	560	N.D.	N.D.
As	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.
Ba	mg/kg	2	1500	375	18750	N.D.	N.D.
B	mg/kg	2	1200	300	15000	N.D.	N.D.
Cd	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.
Cr III	mg/kg	2	37.5	9.4	460	N.D.	N.D.
Cr VI	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.
Co	mg/kg	2	10.5	2.6	130	N.D.	N.D.
Cu	mg/kg	2	622.5	156	7700	N.D.	N.D.
Pb	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.
Mn	mg/kg	2	1200	300	15000	N.D.	N.D.
Hg	mg/kg	1	7.5	1.9	94	N.D.	N.D.
Ni	mg/kg	2	75	18.8	930	N.D.	N.D.
Se	mg/kg	2	37.5	9.4	460	N.D.	N.D.
Sr	mg/kg	2	4500	1125	56000	N.D.	N.D.
Sn	mg/kg	0.2	15000	3750	180000	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.
Zn	mg/kg	2	3750	938	46000	N.D.	N.D.

-The migration content limit is Category 3.

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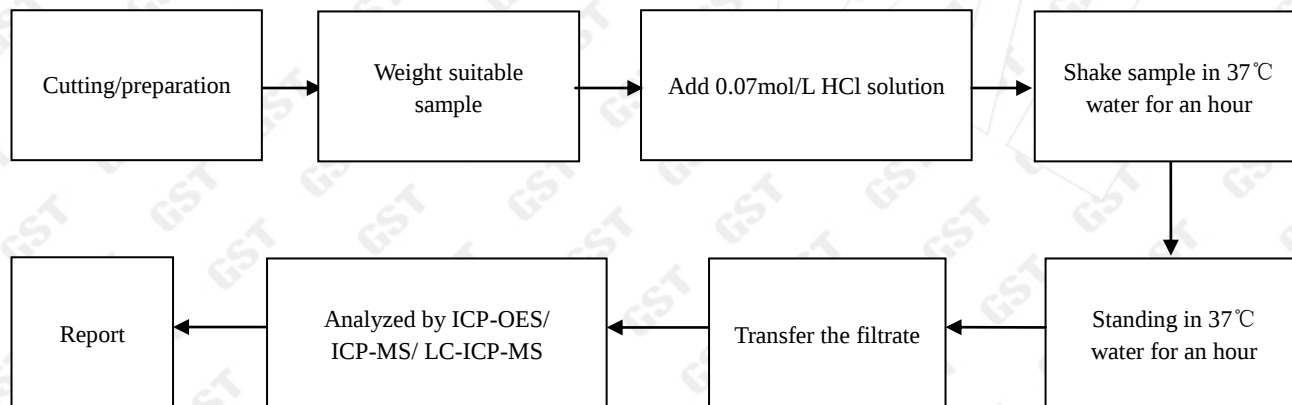
Remark:

1. The migration of organic tin is expressed as Tributyltin(TBT).
2. Confirmation test of soluble chromium (III) & chromium (VI) is not required in case of soluble chromium does not exceed their requirements as specified in EN 71-3:2019+A1:2021.
3. Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN 71-3:2019+A1:2021.

Note:

- mg/kg=milligram per kilogram
- N.D. =Not Detected (<MDL)
- MDL=Method Detection Limit

Appendix

1. Test flowchart for soluble elements content:

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