

Test report

T-25010917-11-R1



Verify Report

Overall result

Pass

Please refer to the following pages for test result summary and notes.

Client information

Client: Mid Ocean Brands B.V.
Address: 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong



Sample information

Description: Adjustable speed jumping rope in 210D RPET polyester pouch	Labeled age grade: -
SKU/style #: MO6217	Requested age grade: Over 3 years of age
Country of origin: -	Tested age grade: Over 3 years of age
Country of distribution: Europe	Vender code: 118518
Material / Composition: PP, PU,RPET,steel	
Quantity submitted: 2 pcs + a lot parts	

General information

Sample receipt date: 08-Jan-2025 Report date: 15-Jan-2025
Testing period: 08-Jan-2025 to 14-Jan-2025

QIMA (Hangzhou) Testing Co., Ltd.

Eric Liu
Lab Operation Director

QIMA (Hangzhou) Testing Co., Ltd.

Jeremy Xu
Chemical Laboratory Manager



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Result summary

At the request of the client, the following test were conducted:

Test(s) conducted	Conclusion
EN 71-3: 2019+A1:2021 Safety of Toys, Migration of Certain Elements	Pass
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Substrate Materials	Pass
Regulation (EC) No. 1907/2006 REACH Annex XVII as amended, Item 51 and 52 Phthalates –Mouthable (DBP, BBP, DEHP, DIBP, DnOP, DINP, DIDP)	Pass
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 43 Azocolorants in Textiles	Pass
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 50 Polycyclic Aromatic Hydrocarbon (PAH)	Pass
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 5 Benzene	Pass
Colour Fastness to Rubbing	Pass
EN 71-1:2014+A1:2018 Safety of Toys: Mechanical & Physical Properties	Pass
EN 71-1:2014+A1:2018 Safety of Toys: Labeling Review	Pass
EN 71-2:2020 Safety of Toys: Flammability	Pass
Directive 2009/48/EC Toys Labeling Review	Pass



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Detailed results

EN 71-3: 2019+A1:2021 Safety of Toys, Migration of Certain Elements

Test Method: EN 71-3:2019+A1:2021
Analytical Method: Inductively Coupled Plasma-Mass Spectrometry

Category III: Scraped-off materials

Specimen No.	1	2	3	4	RL (mg/kg)	Soluble Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)		
Aluminum (Al)	ND	ND	ND	ND	50	28 130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	50	18 750
Boron (B)	ND	ND	ND	ND	50	15 000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium III (Cr III)^	ND	0.2	0.5	ND	0.2	460
Chromium VI (Cr VI)^	ND	ND	ND	ND	0.05	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	ND	50	7 700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	50	15 000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	50	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	50	56 000
Tin (Sn)	ND	ND	ND	ND	1	180 000
Organic Tin^^	ND	ND	ND	ND	3.3	12
Zinc (Zn)	ND	64	ND	ND	50	46 000
Conclusion	Pass	Pass	Pass	Pass		

Note:
mg/kg = Milligrams per kilogram
LT = Less than
ND = Not detected. Result value is less than reporting limit (RL).
^Soluble Chromium is reported when the soluble chromium result below the chromium VI limit.
^^ Organic tin are not necessary to be determined when the Tin concentration is less than calculated limit (3.3 mg/kg) or the components were confirmed to be pure metal.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1	T-24354996-11-R1	1	30-Dec-2024
2	T-24354996-11-R1	2	30-Dec-2024
3	T-24354996-11-R1	3	30-Dec-2024
4	T-24354996-11-R1	4	30-Dec-2024





Detailed results

EN 71-3: 2019+A1:2021 Safety of Toys, Migration of Certain Elements

Test Method: EN 71-3:2019+A1:2021
Analytical Method: Inductively Coupled Plasma-Mass Spectrometry

Category III: Scraped-off materials

Specimen No.	5	6	7	8	RL (mg/kg)	Soluble Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)		
Aluminum (Al)	ND	ND	ND	ND	50	28 130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	50	18 750
Boron (B)	ND	ND	ND	ND	50	15 000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium III (Cr III)^	ND	ND	ND	ND	0.2	460
Chromium VI (Cr VI)^	ND	ND	ND	ND	0.05	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	ND	50	7 700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	50	15 000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	91	50	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	50	56 000
Tin (Sn)	ND	ND	ND	ND	1	180 000
Organic Tin^^	ND	ND	ND	ND	3.3	12
Zinc (Zn)	68	ND	ND	ND	50	46 000
Conclusion	Pass	Pass	Pass	Pass		

Note:
mg/kg = Milligrams per kilogram
LT = Less than
ND = Not detected. Result value is less than reporting limit (RL).
^Soluble Chromium is reported when the soluble chromium result below the chromium VI limit.
^^ Organic tin are not necessary to be determined when the Tin concentration is less than calculated limit (3.3 mg/kg) or the components were confirmed to be pure metal.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
5	T-24354996-11-R1	5	30-Dec-2024
6	T-24354996-11-R1	6	30-Dec-2024
7	T-24354996-11-R1	7	30-Dec-2024
8	T-24354996-11-R1	8	30-Dec-2024





Detailed results

EN 71-3: 2019+A1:2021 Safety of Toys, Migration of Certain Elements

Test Method: EN 71-3:2019+A1:2021
Analytical Method: Inductively Coupled Plasma-Mass Spectrometry

Category III: Scraped-off materials

Specimen No.	9	10	---	---	RL (mg/kg)	Soluble Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)		
Aluminum (Al)	ND	ND	---	---	50	28 130
Antimony (Sb)	ND	ND	---	---	10	560
Arsenic (As)	ND	ND	---	---	10	47
Barium (Ba)	ND	ND	---	---	50	18 750
Boron (B)	ND	ND	---	---	50	15 000
Cadmium (Cd)	ND	ND	---	---	5	17
Chromium III (Cr III)^	1.6	0.1	---	---	0.2	460
Chromium VI (Cr VI)^	ND	ND	---	---	0.05	0.053
Cobalt (Co)	ND	ND	---	---	10	130
Copper (Cu)	ND	ND	---	---	50	7 700
Lead (Pb)	ND	ND	---	---	10	23
Manganese (Mn)	ND	ND	---	---	50	15 000
Mercury (Hg)	ND	ND	---	---	10	94
Nickel (Ni)	ND	ND	---	---	50	930
Selenium (Se)	ND	ND	---	---	10	460
Strontium (Sr)	ND	ND	---	---	50	56 000
Tin (Sn)	1	ND	---	---	1	180 000
Organic Tin^^	ND	ND	---	---	3.3	12
Zinc (Zn)	ND	ND	---	---	50	46 000
Conclusion	Pass	Pass	---	---		

Note:
mg/kg = Milligrams per kilogram
LT = Less than
ND = Not detected. Result value is less than reporting limit (RL).
^Soluble Chromium is reported when the soluble chromium result below the chromium VI limit.
^^ Organic tin are not necessary to be determined when the Tin concentration is less than calculated limit (3.3 mg/kg) or the components were confirmed to be pure metal.





Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Substrate Materials

Test Method: ASTM F963-23 Clause 8.3.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1+2+3	4+5	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Cadmium (Cd)	ND	ND	---	---	---	100
Conclusion	Pass	Pass	---	---	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1+2+3	T-24354996-11-R1	1+2+3	30-Dec-2024
4+5	T-24354996-11-R1	4+5	30-Dec-2024





Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII as amended, Item 51 and 52 Phthalates – Mouthable (DBP, BBP, DEHP, DIBP, DnOP, DINP, DIDP)

Test Method: CPSC-CH-C1001-09.4
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1+2+3	4	5	Limit (% w/w)
Test Item	CAS No.	Result (% w/w)	Result (% w/w)	Result (% w/w)	
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.1
Benzyl Butyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.1
Di-(2-Ethylhexyl) Phthalate (DEHP)	117-81-7	ND	ND	ND	0.1
Diisobutyl Phthalate (DIBP)	84-69-5	ND	ND	ND	0.1
Sum of DBP, BBP, DEHP, DIBP		ND	ND	ND	0.1
Di-n-Octyl Phthalate (DnOP)	117-84-0	ND	ND	ND	
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	
Sum of DnOP, DINP, DIDP		ND	ND	ND	0.1
Conclusion		Pass	Pass	Pass	

Note:

% w/w = Percent by weight

LT = Less than

ND = Not detected (Reporting Limit = 0.015 % w/w)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1+2+3	T-24354996-11-R1	1+2+3	30-Dec-2024
4	T-24354996-11-R1	4	30-Dec-2024
5	T-24354996-11-R1	5	30-Dec-2024



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Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 43 Azocolorants in Textiles

Test Method: EN ISO 14362-1:2017, EN ISO 14362-3:2017
Analytical Method: Gas Chromatography with Mass Spectrometry, Liquid Chromatography with Diode Array Detection / Liquid Chromatography with Mass Spectrometry

Specimen No.		6	7	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
4-aminobiphenyl	92-67-1	ND	ND	---	---	30
Benzidine	92-87-5	ND	ND	---	---	30
4-chloro-o-toluidine	95-69-2	ND	ND	---	---	30
2-naphtylamine	91-59-8	ND	ND	---	---	30
o-Aminoazotoluene	97-56-3	ND	ND	---	---	30
5-nitro-o-toluidine	99-55-8	ND	ND	---	---	30
4-chloroaniline	106-47-8	ND	ND	---	---	30
2,4-diaminoanisoie	615-05-4	ND	ND	---	---	30
4,4'-methylenedianiline	101-77-9	ND	ND	---	---	30
3,3'-dichlorobenzidine	91-94-1	ND	ND	---	---	30
o-dianisidine	119-90-4	ND	ND	---	---	30
3,3'-dimethylbenzidine	119-93-7	ND	ND	---	---	30
4,4'-methylenedi-o-toluidine	838-88-0	ND	ND	---	---	30
p-cresidine	120-71-8	ND	ND	---	---	30
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	ND	ND	---	---	30
4,4'-oxydianiline	101-80-4	ND	ND	---	---	30
4,4'-thiodianiline	139-65-1	ND	ND	---	---	30
o-toluidine	95-53-4	ND	ND	---	---	30
2,4-diaminotoluene	95-80-7	ND	ND	---	---	30
2,4,5-trimethylaniline	137-17-7	ND	ND	---	---	30
2-methoxyaniline	90-04-0	ND	ND	---	---	30
4-aminoazobenzene	60-09-3	ND	ND	---	---	30
Conclusion		Pass	Pass	---	---	





Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 5 mg/kg)

Remark:

In the case of levels per amine component less than or equal to 30 mg/kg, according to the analysis as carried out, azo colorants which can release one or more of certain listed amines by cleavage of their azo group/s were not detected in the commodity submitted.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
6	T-24354996-11-R1	6	30-Dec-2024
7	T-24354996-11-R1	7	30-Dec-2024



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Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 50 Polycyclic Aromatic Hydrocarbon (PAH)

Test Method: AfPS GS 2019:01
Analytical Method: Gas Chromatography with Mass Spectrometry

Toys and childcare articles

Specimen No.		1+2+3	4	5	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Benzo [a] pyrene (BaP)	50-32-8	ND	ND	ND	---	0.5
Benzo [e] pyrene (BeP)	192-97-2	ND	ND	ND	---	0.5
Benzo [a] anthracene (BaA)	56-55-3	ND	ND	ND	---	0.5
Chrysene (CHR)	218-01-9	ND	ND	ND	---	0.5
Benzo [b] fluoranthene (BbFA)	205-99-2	ND	ND	ND	---	0.5
Benzo [j] fluoranthene (BjFA)	205-82-3	ND	ND	ND	---	0.5
Benzo [k] fluoranthene (BkFA)	207-08-9	ND	ND	ND	---	0.5
Dibenzo [a,h] anthra- cene (DBAhA)	53-70-3	ND	ND	ND	---	0.5
Conclusion		Pass	Pass	Pass	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 0.2 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1+2+3	T-24354996-11-R1	1+2+3	30-Dec-2024
4	T-24354996-11-R1	4	30-Dec-2024
5	T-24354996-11-R1	5	30-Dec-2024





Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 5 Benzene

Test Method: In-House Method
Analytical Method: Headspace Gas Chromatography with Mass Spectrometry

Specimen No.		1+2+3	4	5	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Benzene	71-43-2	ND	ND	ND	---	5
Conclusion		Pass	Pass	Pass	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 1 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1+2+3	T-24354996-11-R1	1+2+3	30-Dec-2024
4	T-24354996-11-R1	4	30-Dec-2024
5	T-24354996-11-R1	5	30-Dec-2024





Detailed results

Colour Fastness to Rubbing

Test Method: EN ISO 105-X12: 2016, Size of rubbing finger: 16mm dia.

Specimen No.	6	7	---	---	---	Client's requirement
Items	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	
Dry staining	4-5	4	---	---	---	Min. 2-3
Wet staining	4-5	4-5	---	---	---	Min. 2-3
Conclusion	Pass	Pass	---	---	---	-

Remark: Grey Scale rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
6	T-24354996-11-R1	6	30-Dec-2024
7	T-24354996-11-R1	7	30-Dec-2024



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Detailed results

EN 71-1:2014+A1:2018 Safety of Toys: Mechanical & Physical Properties

Mechanical hazards evaluated as described in EN71-1, as applicable.

Clause	Test	Conclusion
4.1	Material cleanliness	Pass
4.4	Toy bags	Pass
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
7.1	Warning - General	Pass
7.2	Warning for Toys not intended for Children under 36 months	Pass

Note:

All results have been transferred into this report from test report T-24354996-11-R1, dated 30-Dec-2024.

EN 71-2:2020 Safety of Toys: Flammability

Flammability test evaluated as described in EN71-2, as applicable.

Test	Observation	Conclusion
4.1 General	No visual signs of Cellulose Nitrate or with similar behaviour in fire as celluloid.	Pass

Note:

All results have been transferred into this report from test report T-24354996-11-R1, dated 30-Dec-2024.



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Detailed results

Directive 2009/48/EC Toys Labeling Review

Test	Observation	Conclusion
CE Marking that met the proportions and dimensions as defined in Directive 93/68/EEC should be affixed on the toy or its packaging.	Present on Toy and Packaging , height: 5mm	Pass
Name and address of manufacturer or his authorized representative or importer into the community should be affixed on the toy or its packaging. Address of manufacturer or his authorized representatives or importer should be located in EU community.	Present on Toy and Packaging	Pass
Type, batch, serial or model number or other element allowing their identification should be provided on toy, packaging or in a document accompanying the toy.	Present on Toy and Packaging	Pass
Warnings and safety instructions shall be written in the languages easily understood by consumers of the country in which the toy is to be sold.	Present in multiple languages on Packaging	Pass

Note:

All results have been transferred into this report from test report T-24354996-11-R1, dated 30-Dec-2024.



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Specimen description

Specimen #	Specimen description	Location
1	Black plastic	Handle
2	Black plastic	Axis of handle
3	White plastic	Inside of handle
4	Black soft plastic	Both ends of wire jacket cover
5	Black soft plastic	Wire jacket
6	Black textile	Bag
7	Black textile	Drawstring
8	Black coated white label	Label
9	Silvery metal	Screw
10	Silvery metal	Round ring





Pictures

Sample photo:



End of the report

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and the method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the QIMA decision rule. (<https://www.qima.com/conditions-of-service#decisionRule>). This test report may not be reproduced in whole or in part, without the written approval of QIMA (Hangzhou) Testing Co., Ltd.



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