



Test Report

Report No.: RKEYS250422050

Date: Apr. 30, 2025

Page 1 of 4

Applicant: Mid Ocean Brands B.V.
Address: 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.
Manufacturer: 117486
Address: N/A

The following sample(s) was /were submitted and identified on behalf of the clients as :

Sample Name: Speaker
Sample Model: MO6890
Sample Received Date: Apr. 22, 2025
Testing Period: Apr. 22, 2025 to Apr. 24, 2025

Test Requested:

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

Approved by:

Tony Qian/ Technical Manager



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Guangdong KEYS Testing Technology Co., Ltd.

Address: Building 1, No.18, Shihuan Road, Dongcheng Subdistrict, Dongguan, Guangdong, China
Tel: +86-0769-89798319 <http://www.keys-lab.com> E-mail: info@keys-lab.com

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Summary of Test Results:

	Test Standard	Conclusion
1	Pentachlorophenol(PCP)Content-EuropeanRegulation POPs(EU)2019/1021	Pass
2	Annex xVII of the REACH Regulation (EC) No 1907/2006,entry 77 -Formaldehyde Release	Pass

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Test Result:

1. Pentachlorophenol (PCP) Content-European Regulation POPs (EU) 2019/1021 Annex I and its amendments

Test Method:US EPA 3550C:2007, analyzed by Gas Chromatography and Mass Spectrometry (GC-MS)

Test Item(s)	MDL (mg/kg)	Limit (mg/kg)	Test Result (mg/kg)		
			1	2	3
Pentachlorophenol (PCP)	0.5	5	N.D.	N.D.	N.D.

- Note:**
1. mg/kg=Milligrams per kilogram
 2. N.D.= Not Detected(<MDL)
 3. MDL = Method Detection Limit

2. Formaldehyde- REACH Annex XVII

Test Method: Annex XVII of the REACH Regulation (EC) No 1907/2006,entry 77

-Formaldehyde Release

Tested Item(s)	MDL (mg/m ³)	Limit (mg/m ³)	Test Result (mg/m ³)
			1
Formaldehyde	0.01	0.062	N.D.

- Note:**
1. mg/m³=Milligrams per cubic meter
 2. N.D.= Not Detected(<MDL)
 3. MDL = Method Detection Limit

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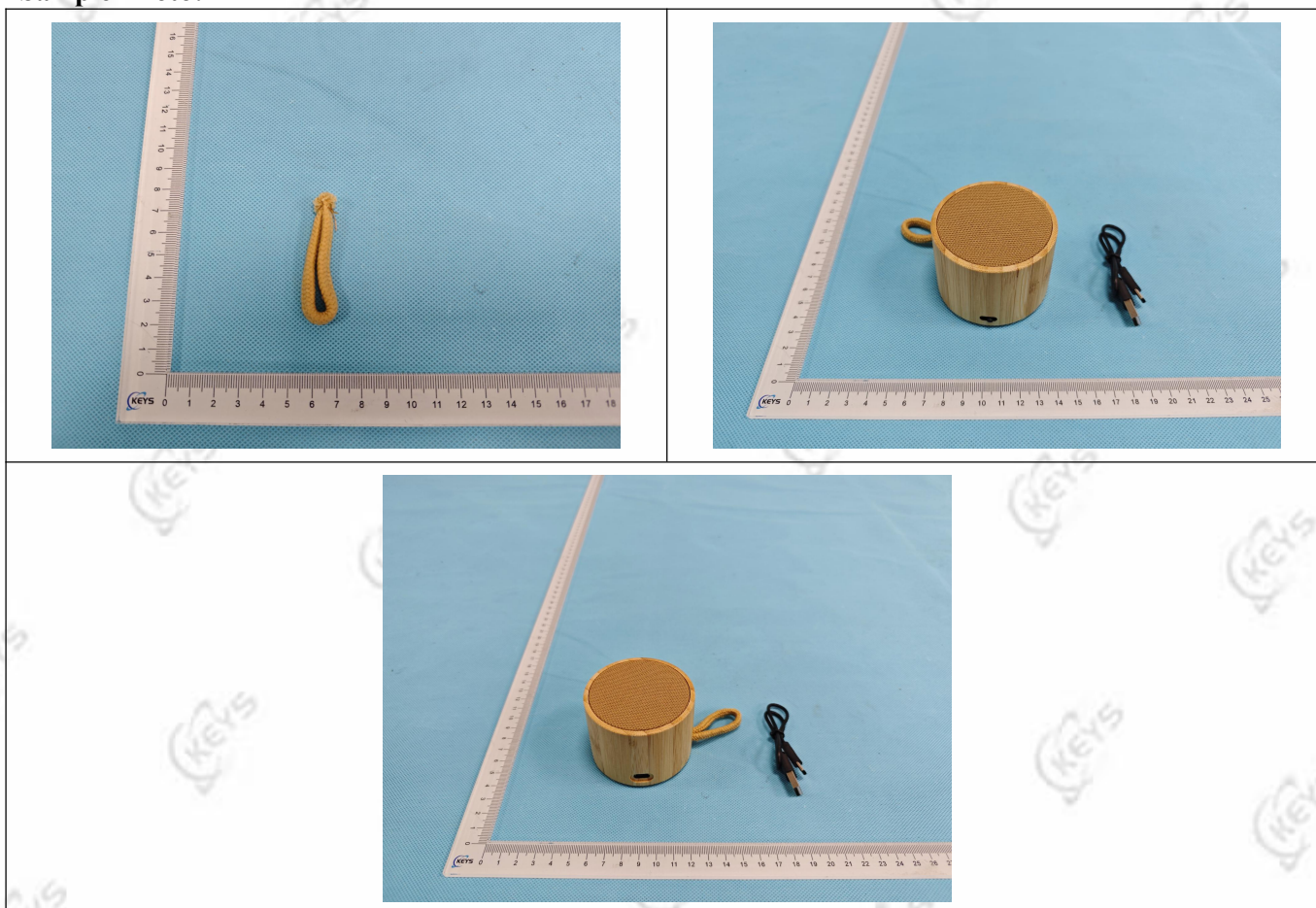
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Sample Description:

No.	Description
1	Yellow bamboo shell
2	Yellow braided rope
3	Yellow fabric

Sample Photo:



*** End of Report ***

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Summary of Test Results:

Test Standard		Conclusion
1	Textiles- Methods for determination of certain aromatic amines derived from azo colorants Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres (ISO 14362-1:2017)	Pass

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Test Result

Test method and Test equipment :

Test Item	Test Method	Test Equipment
AZO	EN ISO 14362-1:2017	GC-MS

No.	Substances	Unit	MDL	Limit	Test Result	
					1	2
1	Biphenyl-4-ylamine/4-aminodiphenyl/xenyamine	mg/kg	5	30	N.D.	N.D.
2	Benzidine	mg/kg	5	30	N.D.	N.D.
3	4-chloro-o-toluidine	mg/kg	5	30	N.D.	N.D.
4	2-naphthylamine	mg/kg	5	30	N.D.	N.D.
5	o-aminoazotoluene/4-amino-2',3-dimethylazobenzene/4-o-tolylazo-o-toluidine*	mg/kg	5	30	N.D.	N.D.
6	2-amino-4-nitrotoluene/5-nitro-o-toluidine*	mg/kg	5	30	N.D.	N.D.
7	4-chloroaniline	mg/kg	5	30	N.D.	N.D.
8	4-methoxy-m-phenylenediamine	mg/kg	5	30	N.D.	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	mg/kg	5	30	N.D.	N.D.
10	3,3'-dichlorobenzidine/3,3'-dichlorobiphenyl-4,4'-ylenediamine	mg/kg	5	30	N.D.	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	mg/kg	5	30	N.D.	N.D.
12	3,3'-dimethylbenzidine/4,4-bi-o-toluidine	mg/kg	5	30	N.D.	N.D.
13	4,4'-methylenedi-o-toluidine	mg/kg	5	30	N.D.	N.D.
14	6-methoxy-m-toluidine/p-cresidine	mg/kg	5	30	N.D.	N.D.
15	4,4'-methylene-bis-(2-chloroaniline)/2,2'-dichloro-4,4-methylene-dianiline	mg/kg	5	30	N.D.	N.D.
16	4,4'-oxydianiline	mg/kg	5	30	N.D.	N.D.
17	4,4'-thiodianiline	mg/kg	5	30	N.D.	N.D.

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No.	Substances	Unit	MDL	Limit	Test Result	
					1	2
18	o-toluidine/2-aminotoluene	mg/kg	5	30	N.D.	N.D.
19	4-methyl-m-phenylenediamine/2,4-toluylen diamine	mg/kg	5	30	N.D.	N.D.
20	2,4,5-trimethylaniline	mg/kg	5	30	N.D.	N.D.
21	o-anisidine/2-methoxyaniline	mg/kg	5	30	N.D.	N.D.
22	4-aminoazobenzene**	mg/kg	5	30	N.D.	N.D.
23	2,4-xylydine	mg/kg	5	30	N.D.	N.D.
24	2,6-xylydine	mg/kg	5	30	N.D.	N.D.

Note:

- 1. mg/kg = ppm
- 2. N.D.= Not Detected (<MDL)
- 3. MDL = Method Detection Limit
- 4. * = The amines o-aminoazotoluene (No 5, CAS No.97-56-3) and 2-amino-4-nitrotoluene (No 6, CAS No.99-55-8) are further reduced to o-toluidine (No 18, CAS No. 95-53-4) and 2, 4-diaminotoluene (No 19, CAS No. 95-80-7).
- 5. ** = Azo colorants that are able to form 4-aminoazobenzene (No 22, CAS No. 60-09-3) generate, under the condition of this method, aniline (CAS No. 62-53-3) and 1, 4-phenyldiamine (CAS No. 106-50-3).Due to detection limits,only aniline may be detected. If aniline is detected above 5mg/kg, then the presence of these colorants should be tested by ISO 14362-3:2017

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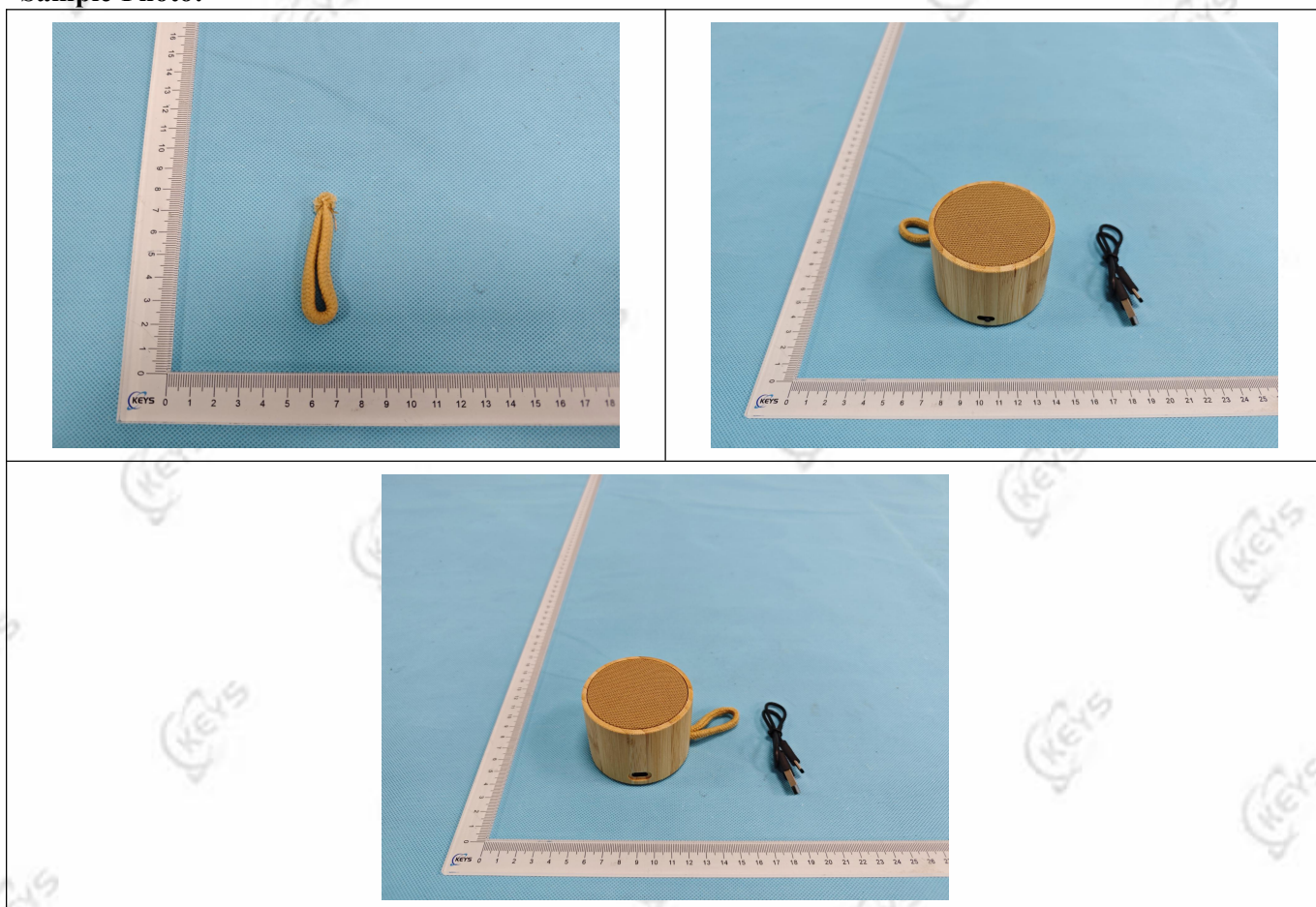
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Sample Description:

No.	Description
1	Yellow braided rope
2	Yellow fabric

Sample Photo:



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Manufacturer: 117486

Address: N/A

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Sample Name: Wireless Speaker

Sample Model: MO6890

Sample Received Date: Apr. 22, 2025

Testing Period: Apr. 23, 2025 to Apr.24, 2025

Test Requested:

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

Approved by:



May Yin/Technical Manager



扫码核验

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Summary of Test Results:

Test Standard		Conclusion
1	As specified by client, to determine the Colour Fastness to Rubbing in the submitted sample(s) in accordance with ISO 105-X12:2016.	Pass

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Test Result:

(1) Colour Fastness to Rubbing

Test Method: ISO 105-X12:2016, Size of Rubbing Finger: Circular 16 mm Diameter.

Material No.	Test Item		Results(Grade)	Client's Requirement (Min. Grade)	Conclusion
1	Dry	Length	4-5	2-3	Pass
		Width	-	-	
	Wet	Length	4-5	2-3	
		Width	-	-	

Notes:

Explanation of Colorfastness Results

Grade 5	Negligible or No Change or Staining
Grade 4	Slightly Changed or Stained
Grade 3	Noticeably Changed or Stained
Grade 2	Considerably Changed or Stained
Grade 1	Much Changed or Heavily Stained

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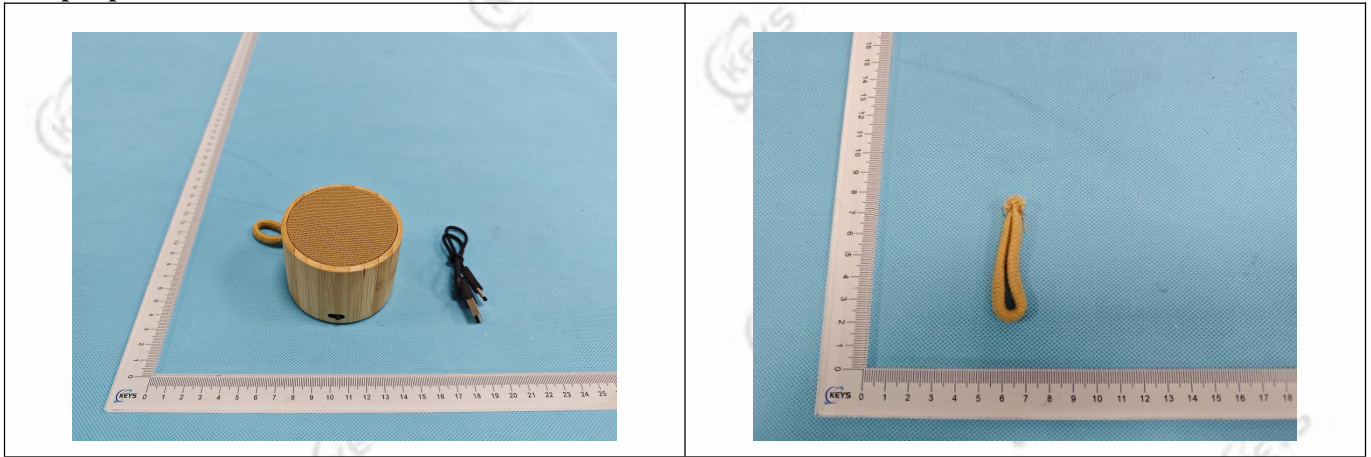
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Sample Description:

No.	Description
1	Apricot Tape

Sample photo:



*** End of Report ***