

TEST REPORT

Test Report # 21A-021529(A1)(R1) Date of Report Issue: November 8, 2021
Date of Sample Received: October 8, 2021 Pages: Page 1 of 11

CLIENT INFORMATION:

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



SAMPLE INFORMATION:

Product Name: bamboo digital bathroom scale
Style No.: - Labeled Age Grade: -
Order No.(PO No.): - Client Request Age Grade: -
Country of Origin: - Recommended Age Grade: -
Country of Distribution: Europe Tested Age Grade: -
*Model No.: MO6348
Composition/Main Material: Bamboo/ABS
Buyer Name: Mid Ocean Brands B.V.
Supplier Name: 100396
Testing Period: 10/09/2021-10/14/2021, 10/22/2021-10/26/2021

OVERALL RESULT:

PASS

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

QIMA (HANGZHOU) TESTING CO., LTD.

Jeremy Xu
Chemical Laboratory Supervisor



QIMA (HANGZHOU) TESTING CO., LTD. ♦ 4-5/F A2 BLDG NO. 1213 HUOJU SOUTH ROAD PUYAN STREET BINJIANG DISTRICT HANGZHOU CHINA

♦ Email: Labtesting@qima.com ♦ Tel: (86) 571 8999 7158.

Test(s) marked with 'φ' was subcontracted to external laboratory.

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and 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.

This test report may not be reproduced in whole or in part, without written approval of QIMA (Hangzhou) Testing Co., Ltd.

TEST RESULTS SUMMARY:

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

CONCLUSION	TEST(S) CONDUCTED
PASS	Directive 2011/65/EU and it's amend regulation 2015/863/EU, Restriction of the Use of Certain Hazardous Substances (RoHS)

Remark: *Revised information and supersedes the previous report no. 21A-021529(A1) date: 10/26/2021



DETAILED RESULTS:

Directive 2011/65/EU and it's amend regulation 2015/863/EU, Restriction of the Use of Certain Hazardous Substances (RoHS)

Test Method: IEC 62321-3-1:2013 for Cadmium, Lead, Mercury, Chromium and Bromine by XRF
 IEC 62321-4:2013/AMD1:2017 for Mercury by ICP-OES
 IEC 62321-5:2013 for Lead, Cadmium and Chromium by ICP-OES
 IEC 62321-6:2015 for PBBs and PBDEs by GC-MS
 IEC 62321-7-1:2015, IEC62321-7-2:2017 for Hexavalent Chromium by UV- Vis#

Analytical Method: X-ray Fluorescence Spectrometry
 Inductively Coupled Plasma-Optical Emission Spectrometry
 Gas Chromatography Mass Spectrometry
 UV-Visible Spectrophotometry

No.	Parts Name	Test Item (mg/kg)						Conclusion
		Pb	Cd	Hg	CrVI	PBBs	PBDEs	
1	Wood	BL	BL	BL	BL	BL	BL	PASS
2	Black plastic main body	BL	BL	BL	BL	ND	ND	PASS
3	Foot pad-black soft plastic pad	BL	BL	BL	BL	BL	BL	PASS
4	Foot pad-yellow sticker	BL	BL	BL	BL	BL	BL	PASS
5	Foot pad-black plastic gasket	BL	BL	BL	BL	BL	BL	PASS
6	Foot pad-black plastic base	BL	BL	BL	BL	BL	BL	PASS
7	Foot pad-grey sponge glue	BL	BL	BL	BL	BL	BL	PASS
8	Foot pad-slivery metal sheet	BL	BL	BL	BL	-	-	PASS
9	Foot pad-white hot melt glue	BL	BL	BL	BL	BL	BL	PASS
10	Foot pad-red wire sheath	BL	BL	BL	BL	BL	BL	PASS
11	Foot pad-black wire sheath	BL	BL	BL	BL	BL	BL	PASS
12	Foot pad-white wire sheath	BL	BL	BL	BL	BL	BL	PASS
13	Foot pad-copper wire	BL	BL	BL	BL	-	-	PASS
14	Display screen-black plastic shell	BL	BL	BL	BL	ND	489	PASS
15	Display screen-black glass	BL	BL	BL	BL	BL	BL	PASS
16	Display screen-transparent plastic sheet	BL	BL	BL	BL	BL	BL	PASS
17	Display screen-pink rubber	BL	BL	BL	BL	BL	BL	PASS
18	Display screen-black rubber	BL	BL	BL	BL	BL	BL	PASS
19	Display screen-transparent plastic sheet	BL	BL	BL	BL	BL	BL	PASS
20	Display screen-white plastic sheet	BL	BL	BL	BL	BL	BL	PASS
21	Display screen-slivery plastic sticker	BL	BL	BL	BL	BL	BL	PASS
22	PCB board	BL	BL	BL	BL	BL	BL	PASS
23	PCB board-soldering tin	BL	BL	BL	BL	-	-	PASS
24	PCB board-SMD resistor	BL	BL	BL	BL	BL	BL	PASS



DETAILED RESULTS:

No.	Parts Name	Test Item (mg/kg)						Conclusion
		Pb	Cd	Hg	CrVI	PBBs	PBDEs	
25	PCB board-SMD capacitor	BL	BL	BL	BL	BL	BL	PASS
26	PCB board-black module	BL	BL	BL	BL	BL	BL	PASS
27	PCB board-white wire sheath	BL	BL	BL	BL	BL	BL	PASS
28	PCB board-red wire sheath	BL	BL	BL	BL	BL	BL	PASS
29	PCB board-copper wire	BL	BL	BL	BL	-	-	PASS
30	PCB board-metal shrapnel	BL	BL	BL	Ne	-	-	PASS
31	PCB board-transparent tape	BL	BL	BL	BL	BL	BL	PASS
32	Translucent tape	BL	BL	BL	BL	BL	BL	PASS
33	Electrode slice	BL	BL	BL	BL	-	-	PASS
34	Electrode slice-soldering tin	BL	BL	BL	BL	-	-	PASS
35	Electrode slice-black wire sheath	BL	BL	BL	BL	BL	BL	PASS
36	Electrode slice-red wire sheath	BL	BL	BL	BL	BL	BL	PASS
37	Electrode slice-copper wire	BL	BL	BL	BL	-	-	PASS
38	Electrode slice-metal spring	BL	BL	BL	Ne	-	-	PASS
39	Cell box-black plastic rear cover	BL	BL	BL	BL	BL	BL	PASS
40	Cell box-metal screw	BL	BL	BL	BL	-	-	PASS

Parameter	Unit	Requirement	Method Detection Limit (MDL)
Lead (Pb)	mg/kg	1000	15
Cadmium (Cd)	mg/kg	100	15
Mercury (Hg)	mg/kg	1000	15
Chromium VI (Cr VI)	mg/kg	1000	15
Group PBBs	mg/kg	1000	20
Group PBDEs	mg/kg	1000	20



QIMA (HANGZHOU) TESTING CO., LTD. ♦ 4-5/F A2 BLDG NO. 1213 HUOJU SOUTH ROAD PUYAN STREET BINJIANG DISTRICT HANGZHOU CHINA

♦ Email: Labtesting@qima.com ♦ Tel: (86) 571 8999 7158.

Test(s) marked with 'φ' was subcontracted to external laboratory.

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and 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.

This test report may not be reproduced in whole or in part, without written approval of QIMA (Hangzhou) Testing Co., Ltd.

As specified by client, with XRF analysis toxic harmful substance content, All kinds of matrixes screening of the element is limited see chart (Unit: mg/kg)

Elements	Polymer material	Metal material/ Inorganic nonmetallic material	Electronic component
Lead (Pb)	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Cadmium (Cd)	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$LOD < X < (150+3\sigma) \leq OL$
Mercury (Hg)	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Chromium (Cr)	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$
Bromine (Br)	$BL \leq (300-3\sigma) < X$	-	$BL \leq (250-3\sigma) < X$

Note:

- Unit: mg/kg= Milligrams per kilogram, 1mg/kg=1ppm=0.0001%
- MDL=Method Detection Limit
- "-"= Not Regulated or Not Applicable
- 3σ = Analysis shows that the instrument reproducibility
- BL = Below Limit by XRF screening;
OL = Over Limit by XRF screening.
- ND=Not Detected (< MDL), Result reported with wet chemical confirmation test with ICP-OES / GC-MS / UV-Vis
- Ne=Negative, Absence of Cr(VI), the concentration of Cr (VI) in sample solution is less than $0.10\mu\text{g}/\text{cm}^2$.
Po = Positive, Presence of Cr(VI), the concentration of Cr (VI) in sample solution is more than $0.13\mu\text{g}/\text{cm}^2$.
Result reported with wet chemical confirmation test with UV-Vis.
- "Results of XRF" is the result on total Br and total Cr while restricted substances are PBBs/PBDEs and Cr(VI).
- *= Exemption item
6(c) Copper alloy containing up to 4% lead by weight
8(b) Cadmium and its compounds in electrical contacts



DETAILED RESULTS:

Directive 2011/65/EU and it's amend regulation 2015/863/EU, Restriction of the Use of Certain Hazardous Substances (RoHS) (DBP, BBP, DEHP, DIBP)

Test Method: IEC 62321-8:2017
 Analytical Method: Gas Chromatography/Mass Spectrometry

Specimen No.	1	2+5+6	3	4+21	7	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
DBP	ND	ND	ND	ND	ND	1000
BBP	ND	ND	ND	ND	ND	1000
DEHP	ND	534	ND	282	ND	1000
DIBP	ND	ND	ND	ND	ND	1000
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	9	10+11+12	14+16+19	17+18	20	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
DBP	ND	ND	ND	ND	ND	1000
BBP	ND	ND	ND	ND	ND	1000
DEHP	ND	ND	ND	ND	ND	1000
DIBP	ND	ND	ND	ND	ND	1000
Conclusion	PASS	PASS	PASS	PASS	PASS	

Note:

DBP = Dibutyl phthalate; BBP = Benzyl butyl phthalate; DEHP = Di-(2-ethylhexyl) phthalate
 DIBP = Di-iso-Butylphthalate Phthalate;
 mg/kg = Milligrams per kilogram
 ND = Not detected (Reporting Limit =150mg/kg)



DETAILED RESULTS:**Directive 2011/65/EU and it's amend regulation 2015/863/EU, Restriction of the Use of Certain Hazardous Substances (RoHS) (DBP, BBP, DEHP, DIBP)**

Test Method: IEC 62321-8:2017

Analytical Method: Gas Chromatography/Mass Spectrometry

Specimen No.	27+28	31+32	35+36	39	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
DBP	ND	ND	ND	ND	---	1000
BBP	ND	ND	ND	ND	---	1000
DEHP	240	ND	ND	ND	---	1000
DIBP	ND	ND	ND	ND	---	1000
Conclusion	PASS	PASS	PASS	PASS	---	

Note:

DBP = Dibutyl phthalate; BBP = Benzyl butyl phthalate; DEHP = Di-(2-ethylhexyl) phthalate

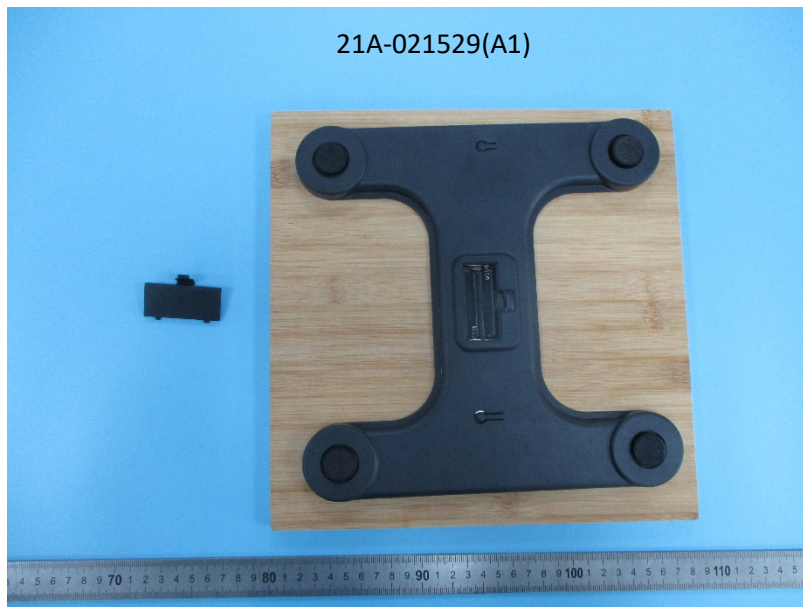
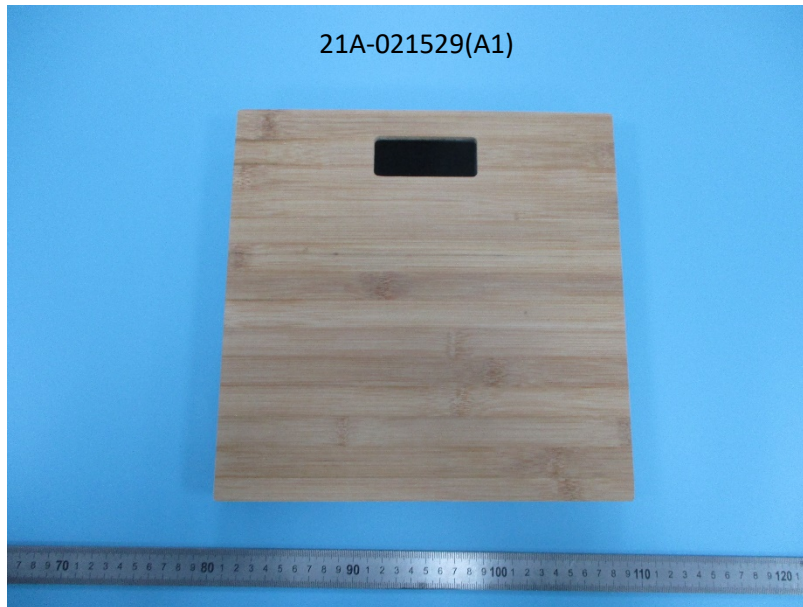
DIBP = Di-iso-Butylphthalate Phthalate;

mg/kg = Milligrams per kilogram

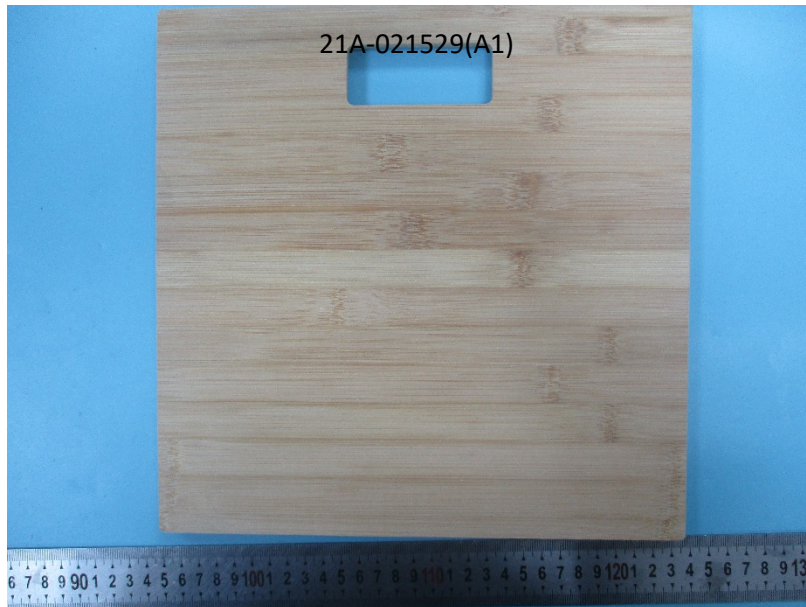
ND = Not detected (Reporting Limit =150mg/kg)



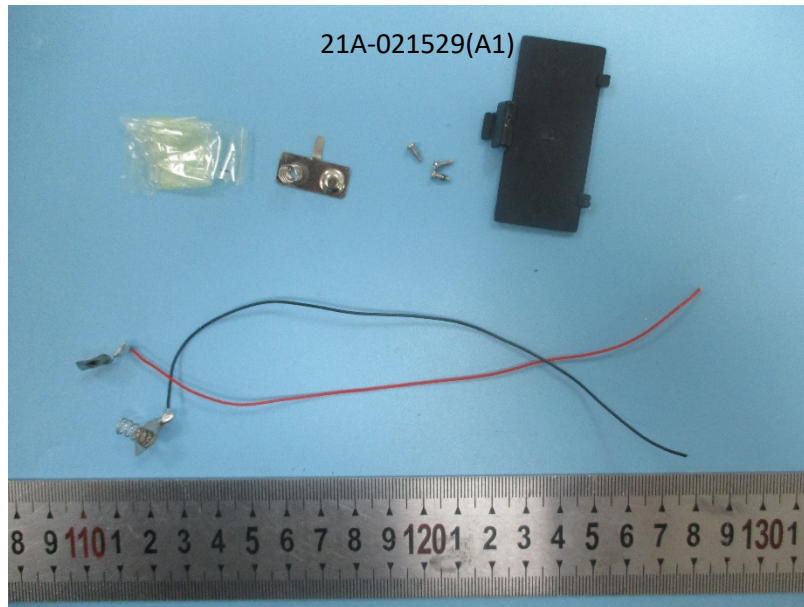
SAMPLE PHOTO:



SAMPLE PHOTO:



SAMPLE PHOTO:



-End Report-

