
Test Report

Report No.: AGC15762230701ES01A

PRODUCT DESIGNATION : Stereo Earbuds
BRAND NAME : N/A
MODEL NAME : MO2176
APPLICANT : Mid Ocean Brands B.V.
DATE OF ISSUE : Nov. 01, 2023
STANDARD(S) : EN 50332-2: 2013
REPORT VERSION : V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd



Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

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1. GENERAL INFORMATION

1.1 Testing laboratory

Name Attestation of Global Compliance (Shenzhen) Co., Ltd.
Address 1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao 'an District, Shenzhen, Guangdong, China
Test location Same as above.

1.2 Applicant information

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

1.3 Manufacturer information

Name
Address

1.4 Factory information

Name
Address

1.5 Testing

Date of receipt of test item Nov. 01, 2023
Date(s) of performance of test N/A

1.6 Summary of testing

The limits refer to Cl.10.6 Safeguards against acoustic energy sources of EN 62368-1:2014+A11:2017, BS EN 62368-1:2014+A11:2017, EN 62368-1:2020+A11:2020, BS EN 62368-1:2020+A11:2020, IEC 62368-1:2014 or IEC 62368-1:2018.

The test items passed.

Note: The original test report Ref. No. AGC15762230701ES01 (dated Jul. 12, 2023, tested Jul. 11, 2023), was modified on Nov. 01, 2023 to change the applicant, product name, model name, no further testing necessary.

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Nov. 01, 2023	Valid	Initial release

Tested by  Reviewed by  Approved By 
Dylon Yan Byron Wang Matte He
(Authorized Officer)

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2. Equipment Under Test (EUT) and Ancillary Equipment (AE)

2.1 About EUT

Product Designation	Stereo Earbuds
Brand Name	N/A
Test model	MO2176
Series model	N/A

2.2 Internal identification of EUT

IMEI or SN	N/A
HW Version	N/A
SW Version	N/A

2.3 Internal Identification of AE

Product Designation	N/A
Model Name	N/A

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3. Reference Documents

The following documents listed in this section are referred for testing.

Reference	Title	Version
EN 50332-2	Sound system equipment: Headphones and earphones associated with personal music players – Maximum sound pressure level measurement methodology Part 2: Matching of sets with headphones if either or both are offered separately, or are offered as one package equipment but with standardized connectors between the two allowing to combine components of different manufacturers or different design	2013

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4. Test Equipments Utilized

No.	Name	Model No.	Serial No.	Manufacturer	Calibration Date	Calibration Due.
1	HEAD measurement test system	HMS II.3	12306382	Head Acoustics	Mar. 13, 2023	Mar. 11, 2024
2	Left ear simulator	HISL	355051	Head Acoustics	/	/
3	Right ear simulator	TYPE3.3	355063	Head Acoustics	/	/
4	Artificial ear extension cord	CLL V.10	1223-10	Head Acoustics	/	/
5	ACQUA-Compact test software	ACQUA-Compact	1900169023	Head Acoustics	/	/
6	USB Measurement Frontend	MFE VI	64606148	Head Acoustics	Mar. 13, 2023	Mar. 11, 2024
7	EN50332 database	EN50332	6869.11	Head Acoustics	/	/
8	Sound Calibrator	42AB	32508	G.R.A.S	Mar. 19, 2023	Mar. 17, 2024
9	Signal generator	E4421B	MY43351574	AGILENT	Sep. 24, 2022	Sep. 23, 2023
10	Acoustic Chamber	/	AGC-SA-P002	/	Apr. 18, 2022	Apr. 17, 2024

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5. Detailed Test Results

5.1 Maximum sound pressure Measurement

Maximum Sound pressure Measurement Test Result			
Device	Times	Left	Right
Earphone (dBA)	1	94.47	93.56
	2	94.45	93.52
	3	94.41	93.46
	4	94.39	93.48
	5	94.44	93.49
	AVG	94.43	93.50

Remark: The maximum acoustic output shall be ≤ 100 dBA.

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Attachment A
Photos of Test Setup

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Attachment B
Photos of Product



Fig.1 – over view

----- **End of Report** -----

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Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Co., Ltd (the “Company”) solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the “Clients”).
2. Any report issued by Company as a result of this application for testing services (the “Report”) shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
7. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

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