



### **TEST REPORT**

Reference No	:	WTF25X07184485Y
Applicant	<u>.</u>	Mid Ocean Brands B.V.
Address	:	Unit 711- 716, 7/F., Tower A, 83 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.
Manufacturer	n.	114768
Address	et el	There where mer will all the fet test of
Product Name	j.	TWS earbuds
Model No		MO6946

**Test specification**....:: EN 50332-2:2013: 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

Date of Receipt sample..... : 2025-07-28

**Date of Test**..... : 2025-07-29 to 2025-07-30

**Date of Issue**..... : 2025-07-30

Test Report Form No.....: WTX\_EN50332\_2\_2013A

Test Result.....: Pass

#### Remarks

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of approver.

## Prepared By: Waltek Testing Group (Shenzhen) Co., Ltd.

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Tested by:	Approved by:
kevin Ye	tentour
Kevin Ve / Project Engineer	Harvid Wei / Managere



Test item description	TWS earbuds
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Trademark .....: \_\_\_:

Model and/or type reference ...... MO6946

Rating(s).....

Test Laboratory Waltek Testing Group (Shenzhen) Co., Ltd.	
Address	1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road, Block 70 Bao'an District, Shenzhen, Guangdong, China

General product information:

The sample(s) tested complies with the requirements of EN 50332-2: 2013.

### **Model Differences:**

Main test models: MO6946

### **Summary of testing:**

All tests had been assessed for safety with respect to the above test specifications and found to comply with the requirements of the standards.



Test case verdicts
Test case does not apply to the test object: N(N/A)
Test item does meet the requirement: P(Pass)
Test item does not meet the requirement: F(Fail)
General remarks
The test result presented in this report relate only to the object(s) tested.
This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.
The report would be invalid without specific stamp for test institute or the authority.  The report would be invalid without the signatures of reporter and reviewer.  "(see Enclosure #)" refers to additional information appended to the report.  "(see appended table)" refers to a table appended to the report.
Remark:
Whether parts of tests for the product have been subcontracted to other labs:  ☐ Yes ☐ No
If Yes, list the related test items and lab information: Test items:
Lab information:



EN 50332-2: 2013			
Clause	Requirement – Test	Result - Remark	Verdict

4	Basic conditions for specifications and measurements (For basic conditions on measurements of the maximum sound pressure level, reference is made to EN 50332-1.)	P
4.1	General description	Р
ir vini	The sound pressure level produced by headphones or earphones can be measured by subjective methods or by objective methods.	P
JUNITER .	The reference method for evaluating the sound pressured level emitted by earphones is a psycho acoustic method known as "equal loudness" (EN60268-7)	P N
4.2	Measuring principle	Lite Part
ek waii	The standard is based on the use of a Head and Torso Simulator (HATS) in accordance with IEC 60318-7	PITER
WILLER OF	The sound pressure level measured by the ear simulator microphone represents the pressure found at eardrum level and differs from that of the free field pressure by the HATS transfer function	nnitt P nitt

5	Player characteristics and methods of measurement	N N
5.1	Maximum output voltage Vm	the set of New
5.2	Method of measurement and conditions	N
5.2.1	Input signal	mite mite and N o
Tier mi	Actual musical signals are continuously fluctuating in both amplitude and spectral contents and thus cannot be used as test signals	NUTER WHITEL NUTERNAL
ek white white	The test signal must therefore be a stationary wide-band signal, the spectral content of which is representative of the musical signals.	Et unifet un Producti
WILEK M	The test signal used to determine the maximum sound pressure level of headphones shall be programme simulation noise, as defined in HD 483.1 S2.	N N
5.2.2	Operating conditions	THE THE THEN
L 3	- By a established power supply	N
Mrti	- tolerance of nominal supply voltage	white uni wh
MALTEK	- All controls are adjusted to maximum sound pressure level	night mile an Nº

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EN 50332-2: 2013			
Clause	Requirement – Test	Result - Remark	Verdict
,et	- load of player output	An In I	N-
5.2.3	Method of measurement for analogue audio outputs	MILLE MALLE MALL	MULT MULT
iek vile	The measuring equipment shall conform to: - EN 61672-1, class 1 for (sound level meters); - EN61260, class 1 for (1/3 octave analysers).	INLIER WHITE WHITE W	N
- WILLIEM	The maximum output voltage Vm shall be defined as unweithted r.m.s. voltage at the load, using an averaging time of 30 s or more.	A STEE WITER WITER	- N
5.2.4	Method of measurement for digital audio outputs	the state of	A N
riek mit	The maximum output level Lm shall be defined as average of digital signal, using an averaging time of 30 s or more.	White white war a	LIET WILLEY WALL
ek writek	The digital input test signal is defined in EN 50332-1 as -10 dBFS.		et Net Net

6	Headphone/Earphone characteristics and methods of measureme	nt w P
6.1	Measuring equipment	At At ATP
iek ave	The measuring equipment shall be in accordance with EN 61672-1when connected with a HATS microphone.	* TE* PITE
6.2	Simulated programme signal characteristic voltage	MILITE MILIT MP PER
6.3	Method of measurement arrangement and conditions	The state of P
6.3.1	Input signal	P
er w	- is program simulation noise as defined in HD 483.1 S2	P III
- Mr.	- according part 1, subclause 5.1	The The P
6.3.2	Source impedance of analogue input devices	JET JE P
12,	- output impedance of the test signal source	Р
6.3.3	Acoustical measurement method	I P.M
6.3.4	Headphones / earphones fit	A AP S
* 10°	- Position correctly for measuring maximum sound pressure	NO THE PLAN
me	- the manufacturer's instruction for correct use	Mary May MA
6.3.5	Measure of evaluation	Alt of P



EN 50332-2: 2013			
Clause	Requirement – Test	Result - Remark	Verdict
, et	- part 1, subclause 6.4	in an an a	P
ant a	- sound pressure level reaches 94 dB SPL	TE NITER MITE MILITE	The All N

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Table 2 - Classification of the characteristics to be specified

Subclause	Characteristics	Products
5.1	Maximum output voltage	Player
6.1	Wide band characteristic voltage	Headphones

### **Measuring result:**

5.1	Measuring result	N N N	
- All .	SPL (dB)	Vmax (mV)	Criterion request(mV)
Left side	* A - A - A	O TELL MATTER MATTER MATTER M	Try Mur - Muse
Right side	WILL MILL THE MUSE	L A 11th S	Et JEET WITER.

6.3.5	Measuring result (SPL) (Part 1, 6.4) (Bluetooth mode)				Р
	Measurement No.1	Measurement No.2	Measurement No.3	Measurement No.4	Measurement No.5
Left side	78.08	78.12	78.12	78.13	78.17
Right side	78.11	78.12	78.12	78.09	78.11
Average	Left side: 78.124	Alas	Right side: 78.11	n whit w	in and

Note: The limit request as above refers to EN 62368-1.

6.3.5	Measuring result (WBCV)	TO THE WALLE WALL NAME	
	SPL (dB)	VwBcv (mV)	Criterion request(mV)
Left side	94	S WHITE WHITE WHITE	≥75
Right side	94	at at the	≥75



### **Photo Documentation**

Model: MO6946



Photo 1



Photo 2



### **Photo Documentation**

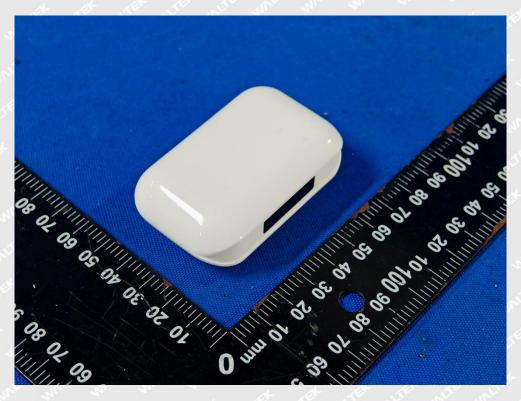


Photo 3



Photo 4



### **Photo Documentation**

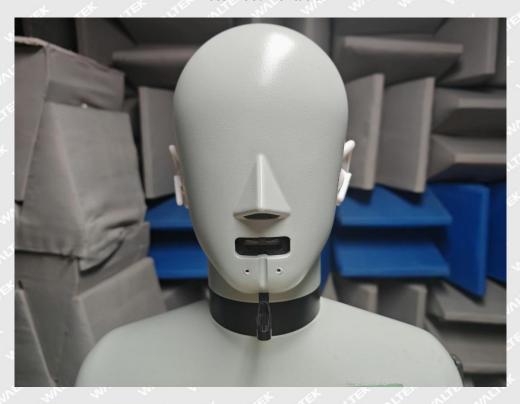


Photo 5

===== End of Report =====