





TEST REPORT

Reference No	:	WTF25X02033951Y
Applicant	•	Mid Ocean Brands B.V.
Address		7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong
Manufacturer	211-	114768

Address....:: ---

Product Name.....: TWS earbuds with charging base, TWS earbuds in bamboo case

Model No.....: MO6128, MO6780

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..... : 2025-03-06

Date of Test...... : 2025-03-06 to 2025-03-10

Date of Issue..... : 2025-03-10

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

Kevin Ye / Project Engineer

Harvid Wei / Managere



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Test item description	········ TWS earbuds with charging base, TWS earbuds in bamboo case
Trademark	The state of the s
Model and/or type reference	: MO6128, MO6780
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 court will be a set that the

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

Model Differences:

Main test models: MO6128.

The models MO6128 is different from the models MO6780 only in the case.

Product Name: TWS earbuds with charging base Corresponding model MO6128.

TWS earbuds in bamboo case Corresponding model MO6780.

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:

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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.)		
4.1	General description	Р	
WAL TE	The sound pressure level produced by headphones or earphones can be measured by subjective methods or by objective methods.	P	
unliek .	The reference method for evaluating the sound pressured level emitted by earphones is a psycho acoustic method known as "equal loudness" (EN60268-7)	P	
4.2	Measuring principle	LITE PAIN	
'ANDIT	The standard is based on the use of a Head and Torso Simulator (HATS) in accordance with IEC 60318-7	P.TE	
MALTER NLTER N	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	WALTER P	

5 00	Player characteristics and methods of measurement	
5.1	Maximum output voltage Vm	+ At A NOT
5.2	Method of measurement and conditions	N
5.2.1	Input signal	miter with white
TLEK AN	Actual musical signals are continuously fluctuating in both amplitude and spectral contents and thus cannot be used as test signals	North North
ek white	The test signal must therefore be a stationary wide-band signal, the spectral content of which is representative of the musical signals.	N N
WILL 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.	WALL WALLEY WAT N
5.2.2	Operating conditions	THE THE STEEN
L 3	- By a established power supply	N
MULL	- tolerance of nominal supply voltage	white unit will
NALTEK.	- All controls are adjusted to maximum sound pressure level	MITEL MITE SIN Nº

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EN 50332-2: 2013					
Clause	Requirement – Test	Result - Remark	Verdict		
, et	- load of player output	The The Table	N-		
5.2.3	Method of measurement for analogue audio outputs	MILE MALLE MILL	N		
er vil	The measuring equipment shall conform to: - EN 61672-1, class 1 for (sound level meters); - EN61260, class 1 for (1/3 octave analysers).	INTER WITE WITE W	N		
WALTER	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	N N		
itek wit	The maximum output level Lm shall be defined as average of digital signal, using an averaging time of 30 s or more.	While wife was a	N N		
ek antiek	The digital input test signal is defined in EN 50332-1 as -10 dBFS.	et set set set	et N		

6	Headphone/Earphone characteristics and methods of measurement		
6.1	Measuring equipment	At At ATP	
iek _M il	The measuring equipment shall be in accordance with EN 61672-1when connected with a HATS microphone.	* TE* P.TE	
6.2	Simulated programme signal characteristic voltage	milit mil t Pitt	
6.3	Method of measurement arrangement and conditions	The state of P	
6.3.1	Input signal	P	
est su	- is program simulation noise as defined in HD 483.1 S2	P III	
Me	- 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	
y Th	- Position correctly for measuring maximum sound pressure	NO THE PLAN	
Mer	- the manufacturer's instruction for correct use	The Alb	
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 the sure	P	
and a	- sound pressure level reaches 94 dB SPL	TE MITE WALLE WALLE	an an N	



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	
	SPL (dB)	Vmax (mV)	Criterion request(mV)
Left side	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SEX MITER WAITE WAITE W	ury mur -mur
Right side	and and and	i se de de c	CER CIER TOTAL

6.3.5	Measuring result (SPL) (Part 1, 6.4)				Р	
	Measurement No.1	Measurement No.2	Measurement No.3	Measurement No.4	Measurement No.5	
Left side	98.06	98.10	98.14	98.14	98.15	
Right side	97.50	97.53	97.53	97.54	97.56	
Average	Left side: 98.12		Right side: 97.53		Vr. 245. 1	

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

6.3.5	Measuring result (WBCV)		TITLE WITE WALL NAME
	SPL (dB)	VwBcv (mV)	Criterion request(mV)
Left side	94	S JUNITER WALTE WALTE	≥75
Right side	94	at at at	≥75



Photo Documentation

Model: MO6128



Photo 1



Photo 2



Photo Documentation

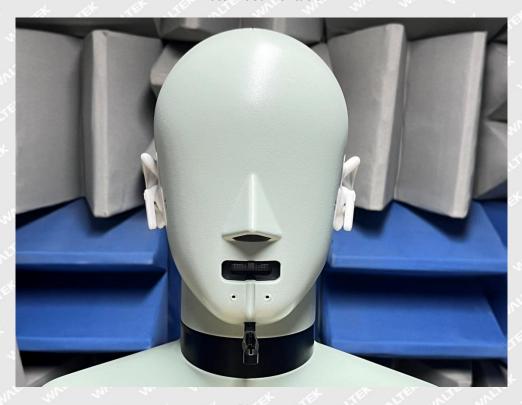


Photo 3

Model: MO6780



Photo 4

Photo Documentation



Photo 5



Photo 6

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