



TEST REPORT

Report No.: CCI260600827EN-3

Report Date: Jul. 31, 2026

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Applicant : Mid Ocean Brands B.V.

Address : Unit 711 716, 7/F., Tower A, 83 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.

(The following sample(s) was (were) submitted and identified by client as)

Sample Name : TWS Earbuds

Model/Item No. : MO2206

Test Period : From Jun. 15, 2026 to Jul. 24, 2026

Tests Conducted : As requested by the applicant, for details refer to next page(s).

Executive Summary:

No.	TESTED SAMPLES	STANDARD / REQUIREMENT	CONCLUSION
1	Tested material(s) of submitted sample(s)	Entry 50 of Annex XVII to the REACH Regulation (EC) No.1907/2006 - Polycyclic-aromatic hydrocarbons (PAH)	PASS
2	Tested material(s) of submitted sample(s)	Entry 27 of Annex XVII to the REACH Regulation (EC) No.1907/2006 – Nickel release	PASS

Signed for and on behalf of
Compliance Control Institute (Guangzhou) Co., Ltd.

Approved by: _____

Pascal SHI/Technical Director

Compliance Control Institute (Guangzhou) Co., Ltd.

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TESTS CONDUCTED:

1. Polycyclic-aromatic hydrocarbons (PAH)

Test Method: With reference to AfPS GS 2019:01 PAK, by Gas Chromatography-Mass Spectrometry (GC-MS) analysis.

Substances	Benzo[a]pyrene (BaP)	Benzo[e]pyrene (BeP)	Benzo[a]anthracene (BaA)	Chrysen (CHR)	Benzo[b]fluoranthene (BbFA)	Benzo[j]fluoranthene (BjFA)	Benzo[k]fluoranthene (BkFA)	Dibenzo[a,h]anthracene (DBAhA)	Conclusion
CAS No.	50-32-8	192-97-2	56-55-3	218-01-9	205-99-2	205-82-3	207-08-9	53-70-3	
RL (mg/kg)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Material No.	Test Result (mg/kg)								
1+2+3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
5+6+7	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS

Note:

1. mg/kg = Milligram per kilogram.
2. N.D. = Not Detected (Less than Reporting Limit).
3. RL = Reporting Limit.
4. Requirement:
 - a) For articles for supply to the general public: No more than 1mg/kg each;
 - b) For toys: No more than 0.5mg/kg each.



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2. Nickel release

Test Method: With reference to EN1811:2011+A1:2015, EN12472:2020, was analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Material No.	Limit ($\mu\text{g}/\text{cm}^2/\text{week}$)	Sample	Surface Area (cm^2)	Solution Volume (mL)	Test Result ($\mu\text{g}/\text{cm}^2/\text{week}$)	Conclusion
4	0.5	A	6.8	7	N.D.	PASS

Note:

1. $\mu\text{g}/\text{cm}^2/\text{week}$ = microgram per square centimeter per week.

2. Products intended to come into direct and prolonged contact with the skin, Articles with a migration limit of $0.5\mu\text{g}/\text{cm}^2/\text{week}$:

a) An article will be deemed to be non-compliant when the nickel release value is greater than or equal to $0.88\mu\text{g}/\text{cm}^2/\text{week}$.

b) An article will be deemed to be compliant when the nickel release value is less than $0.88\mu\text{g}/\text{cm}^2/\text{week}$.

3. All post assemblies which are inserted into pierced ears and other pierced parts of the human body, Articles with the migration limit of $0.2\mu\text{g}/\text{cm}^2/\text{week}$:

a) An article will be deemed to be non-compliant when the nickel release value is greater than or equal to $0.35\mu\text{g}/\text{cm}^2/\text{week}$.

b) An article will be deemed to be compliant when the nickel release value is less than $0.35\mu\text{g}/\text{cm}^2/\text{week}$.

Test Material(s) List

Material No.	Description	Location
1	White plastic with grey printing	Charging compartment shell
2	White plastic	Headphone shell
3	Black plastic with silvery printing	Headphone shell
4	Silvery metal	Connecting piece
5	White plastic	Plug skin
6	White plastic	Wire tube
7	White plastic	Plug skin
8	White plastic	USB inside



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Photo Appendix



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