

TEST REPORT

Applicant: MID OCEAN BRANDS B.V.
UNIT 711-716 7/F TOWER A
83 KING LAM STREET
CHEUNG SHA WAN KOWLOON
HONG KONG
Attn: DEREK HUI

Number: HKGH03314154

Date: Dec 17, 2025

Sample and Information provided by customer :

Item Name : **Desktop light and charger**
Item No. : **MO6349-06/4100116731**
Quantity : 3 pieces
Vendor : 103221
Country of Origin : China

For and on behalf of :
Intertek Testing Services HK Ltd.



Dorothy M.Y. Lau
Vice President



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Conclusion:

The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details :

<u>Requirement</u>	<u>Result</u>
(1) RoHS Directive (2011/65/EU) - Chemical test	Pass

Decision Rule(s):

When a statement of conformity to a specification or standard is provided on test report, the decision rule shall be applied. For details, please refer to Intertek's "Decision Rule Document" and is available on Intertek's website. <https://intertekhk.qrd.by/decision-rule-doc>.

If decision rule already inhered in the requested specification or standard, Intertek's "Decision Rule Document" is not applicable and indication of "∞" was shown as above table.



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(1) RoHS Chemical Test

(A) Test Result Summary:

Testing Item	Result		
	(1)	(2)	(3)
Cadmium (Cd) Content (mg/kg)	ND	ND	ND
Lead (Pb) Content (mg/kg)	175	111	152
Chromium (VI)(Cr ⁶⁺) Result (By boiling water extraction on metal)	ND	ND	ND

mg/kg = milligram per kilogram = ppm

ND = Not detected

NA = Not applicable

Tested components:

- (1) Solder (solder F on PCB, solder F on PCB) .
- (2) Solder (solder NTC on PCB, solder NTC on PCB) .
- (3) Solder (solder L+ on PCB, solder L- on PCB) .

(B) RoHS Requirement:

Restricted Substances	Limits
Cadmium (Cd)	0.01% (100 ppm)
Lead (Pb)	0.1% (1000 ppm)
Chromium (VI) (Cr ⁶⁺)	0.1% (1000 ppm)

The above limits were quoted from Annex II of 2011/65/EU.

(C) Test Method:

Testing Item	Testing Method	Reporting Limit
Cadmium (Cd) Content	With reference to IEC 62321-5 edition 1.0 : 2013, by acid digestion and determined by ICP-OES	10 mg/kg
Lead (Pb) Content	With reference to IEC 62321-5 edition 1.0 : 2013, by acid digestion and determined by ICP-OES	10 mg/kg
Chromium (VI) (Cr ⁶⁺) Content (For Metal)	With reference to IEC 62321-7-1 : 2015, by boiling water extraction and determined by UV-VIS spectrophotometer	0.1 µg/cm ²

The explanation of Chromium VI (Cr⁶⁺) analysis result

Colorimetric result	Qualitative result	Explanation
< 0.10 µg/cm ²	Negative	The result of sample is negative for Cr (VI).



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		The sample coating is considered a non-Cr(VI) based coating.
$\geq 0.10 \mu\text{g}/\text{cm}^2$ and $\leq 0.13 \mu\text{g}/\text{cm}^2$	Inconclusive	The result of sample is considered to be inconclusive. If addition samples are available, recommend to add trials and get the average result for the final determination.
$> 0.13 \mu\text{g}/\text{cm}^2$	Positive	The result of sample is positive for Cr(VI). The sample coating is considered to contain Cr(VI). A result expresses as positive, while not an actual value, which indicates a visual observation was used.

Date sample received : Dec 10, 2025

Testing period : Dec 10, 2025 to Dec 16, 2025



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End of report

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