



中国认可  
国际互认  
检测  
TESTING  
CNAS L6478



# TEST REPORT

**Report No.** ..... : WTF22F07151641C  
**Applicant** ..... : Mid Ocean Brands B.V.  
**Address** ..... : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan,  
Kowloon, Hong Kong  
**Manufacturer** ..... : 104901  
**Sample Name** ..... : 5 highlighters in container  
**Sample Model** ..... : KC2520  
**Test Requested** ..... : 1) Determination of Lead content in the submitted sample in  
accordance with REACH regulation Annex XVII Entries  
63 (EC) No. 1907/2006 and the amendment No.  
836/2012 and (EU) 2015/628  
2) Determination of Cadmium content in the submitted  
sample in accordance with REACH regulation Annex XVII  
Entries 23 (EC) No. 1907/2006 and the amendment No.  
552/2009, No. 494/2011, No. 835/2012 and (EU)  
2016/217  
**Test Conclusion** ..... : Refer to next page (s)  
**Date of Receipt sample** ..... : 2022-07-25  
**Testing period** ..... : 2022-07-25 ~ 2022-08-01  
**Date of Issue** ..... : 2022-08-01  
**Test Result** ..... : Refer to next page (s)

**Prepared By:**

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Signed for and on behalf of  
Waltek Testing Group (Foshan) Co., Ltd.

*Swing Liang*

Swing.Liang

Waltek Testing Group (Foshan) Co., Ltd.

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WT-F-510-3003-05-A



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Sample photo:



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**Test Results:**

**1) Lead (Pb)**

Test Method: With reference to IEC 62321-5:2013, the analysis was performed by ICP-OES.

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.1+No.2+No.3	No.4+No.8+No.12	
Lead(Pb)	2	ND*	ND*	500
<b>Conclusion</b>	--	<b>Pass</b>	<b>Pass</b>	--

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.5+No.9+No.13	No.6+No.7+No.10	
Lead(Pb)	2	ND*	ND*	500
<b>Conclusion</b>	--	<b>Pass</b>	<b>Pass</b>	--

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.11+No.14+No.15	No.16+No.20	
Lead(Pb)	2	ND*	ND*	500
<b>Conclusion</b>	--	<b>Pass</b>	<b>Pass</b>	--

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.17+No.21	No.18+No.19+No.22	
Lead(Pb)	2	ND*	ND*	500
<b>Conclusion</b>	--	<b>Pass</b>	<b>Pass</b>	--

**Note:**

- (1) mg/kg = milligram per kilogram
- (2) ND = Not Detected (lower than LOQ)
- (3) LOQ = Limit of quantitation
- (4) Limit of Lead was quoted from REACH regulation Annex XVII Item 63 (EC) No. 1907/2006 and the amendment No. 836/2012 and (EU) 2015/628.
- (5) "\*" = Results are calculated by the minimum weight of mixed components.
- (6) The test results of specimen No.5, No.9, No.13, No.17 and No.21 were based on the wet weight of the raw material.



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## 2) Cadmium (Cd)

Test Method: With reference to IEC 62321-5:2013, the analysis was performed by ICP-OES.

Test Item	LOQ (mg/kg)	Results (mg/kg)	
		No.1+No.2+No.3	No.4+No.8+No.12
Cadmium(Cd)	2	ND*	ND*
<b>Conclusion</b>	--	<b>Pass</b>	<b>Pass</b>

Test Item	LOQ (mg/kg)	Results (mg/kg)	
		No.6+No.7+No.10	No.11+No.14+No.15
Cadmium(Cd)	2	ND*	ND*
<b>Conclusion</b>	--	<b>Pass</b>	<b>Pass</b>

Test Item	LOQ (mg/kg)	Results (mg/kg)	
		No.16+No.20	No.18+No.19+No.22
Cadmium(Cd)	2	ND*	ND*
<b>Conclusion</b>	--	<b>Pass</b>	<b>Pass</b>

### Note:

- (1) mg/kg = milligram per kilogram
- (2) ND = Not Detected (lower than LOQ)
- (3) LOQ = Limit of quantitation
- (4) Limit of Cadmium according to REACH regulation Annex XVII Item 23 (EC) No. 1907/2006 and the amendment No. 552/2009, No. 494/2011 and No. 835/2012 and (EU) 2016/217.

Category	Limit (mg/kg)
Wet paint	100
Surface coating	1000
Plastic	100
Metal parts of jewellery and hair accessories	100

- (5) "\*\*\*" = Results are calculated by the minimum weight of mixed components.
- (6) The test results of specimen No.5, No.9, No.13, No.17 and No.21 were based on the wet weight of the raw material.



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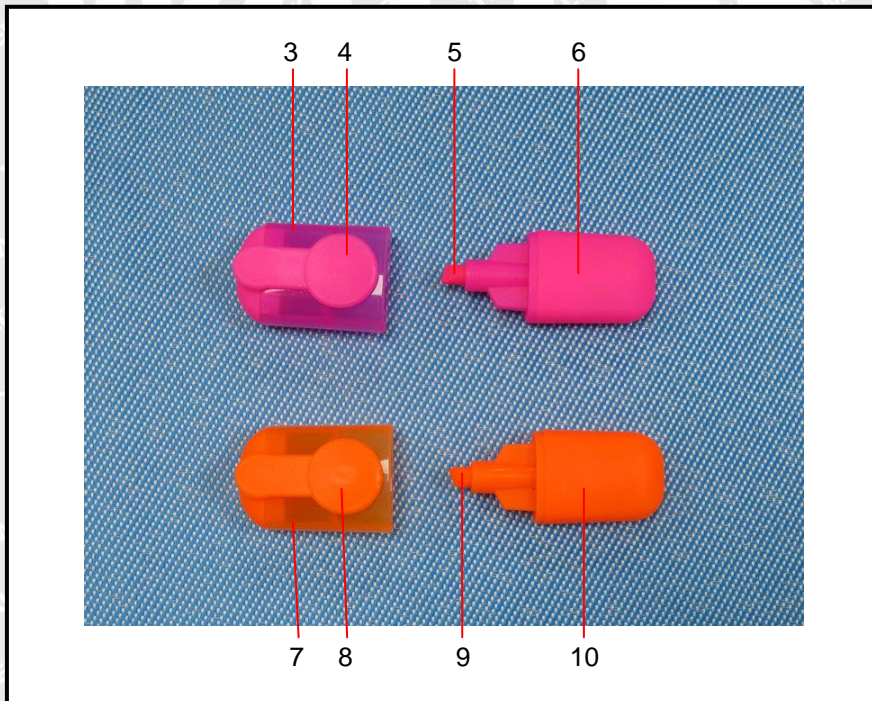
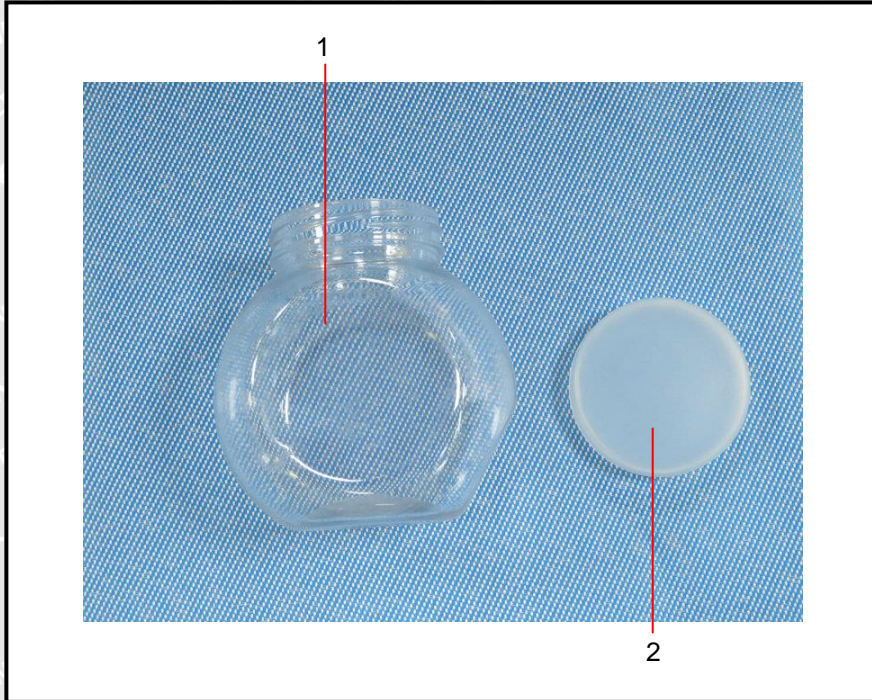
**Description for Specimen:**

<b>Specimen No.</b>	<b>Specimen Description</b>
1	Transparent plastic shell
2	Semi-transparent plastic lid
3	Pink transparent plastic cap
4	Pink plastic clip
5	Pink ink
6	Pink plastic shell
7	Orange transparent plastic cap
8	Orange plastic clip
9	Orange ink
10	Orange plastic shell
11	Green transparent plastic cap
12	Green plastic clip
13	Green ink
14	Green plastic shell
15	Blue transparent plastic cap
16	Blue plastic clip
17	Blue ink
18	Blue plastic shell
19	Yellow transparent plastic cap
20	Yellow plastic clip
21	Yellow ink
22	Yellow plastic shell



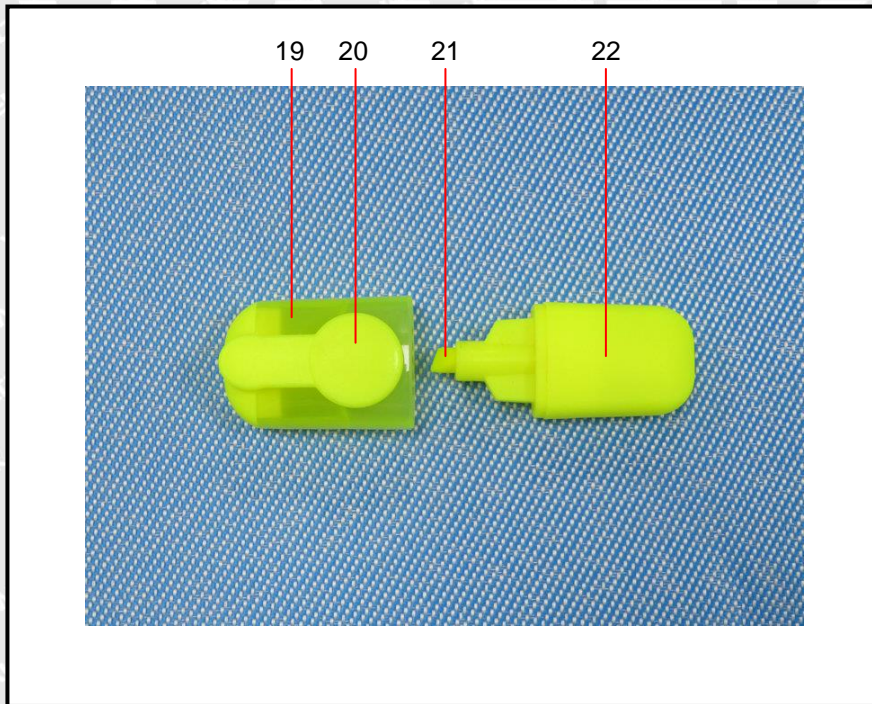
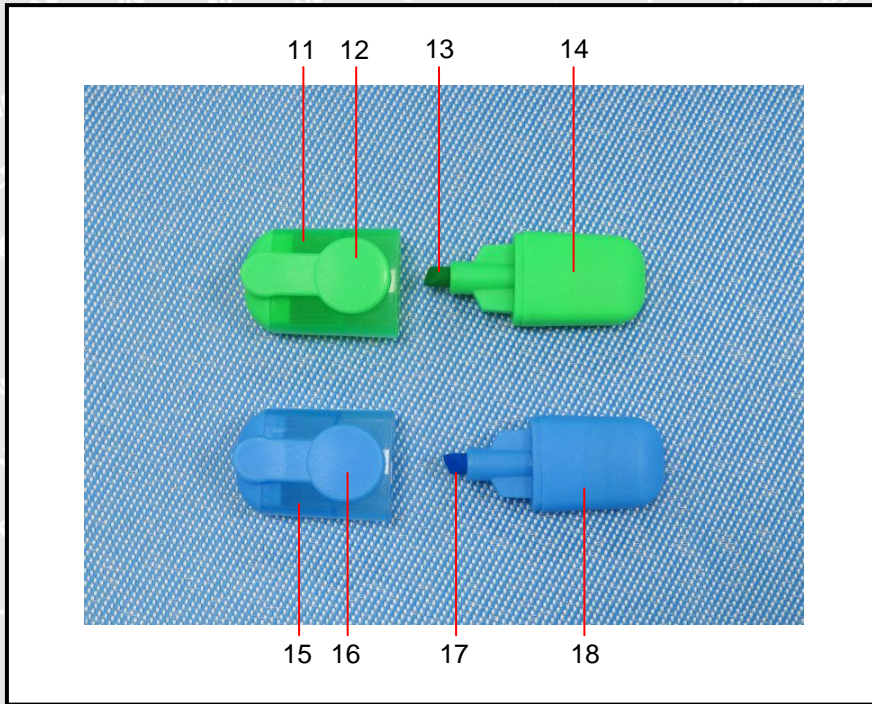
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**Photograph of parts tested:**





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

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