

# TEST REPORT

<b><u>APPLICANT</u></b>	: Mid Ocean Brands B.V
<b><u>ADDRESS</u></b>	: 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.
<b><u>SAMPLE DESCRIPTION</u></b>	: Notebook
<b><u>ITEM NO.</u></b>	: KC6856-03 Notebook with Roller pen
<b><u>MANUFACTURER</u></b>	: 114628
<b><u>COUNTRY OF ORIGIN</u></b>	: China
<b><u>COUNTRY OF DESTINATION</u></b>	: Europe
<b><u>SAMPLE RECEIVED DATE</u></b>	: 30-Dec-2019
<b><u>SAMPLE RESUBMISSION DATE</u></b>	: 30-Mar-2020
<b><u>TURN AROUND TIME</u></b>	: 30-Dec-2019 to 02-Apr-2020

The following test item(s) was/were performed on selected sample(s) and/or component(s) confirmed by applicant

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Total Lead Content	REACH Annex XVII, Entry 63	Pass
Total Cadmium Content	REACH Annex XVII, Entry 23	Pass
Phthalates Content	REACH Annex XVII, Entry 51 & 52, (EU) 2018/2005	Pass
Banned AZO Dyes	REACH Annex XVII, Entry 43	Pass
Colourfastness To Rubbing	EN ISO 105-X12 :2016	Pass

*Samples are obtained by express delivery, Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Product Testing Service (Shanghai) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. If you happen to have any comments, please do it by sending email to [info.sh@eurofins.com](mailto:info.sh@eurofins.com) and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins Product Testing Service (Shanghai) Co., Ltd. If you happen to have any complaints, please do it by sending email to [chinacomplaint@eurofins.com](mailto:chinacomplaint@eurofins.com) and referring to this report number.*

**Eurofins (Shanghai) contact information****Customer service:** [ElsieWu@eurofins.com](mailto:ElsieWu@eurofins.com) / +86 21 36202808**Sales specialist:** [AmyXu@eurofins.com](mailto:AmyXu@eurofins.com)/ +86 13456161010

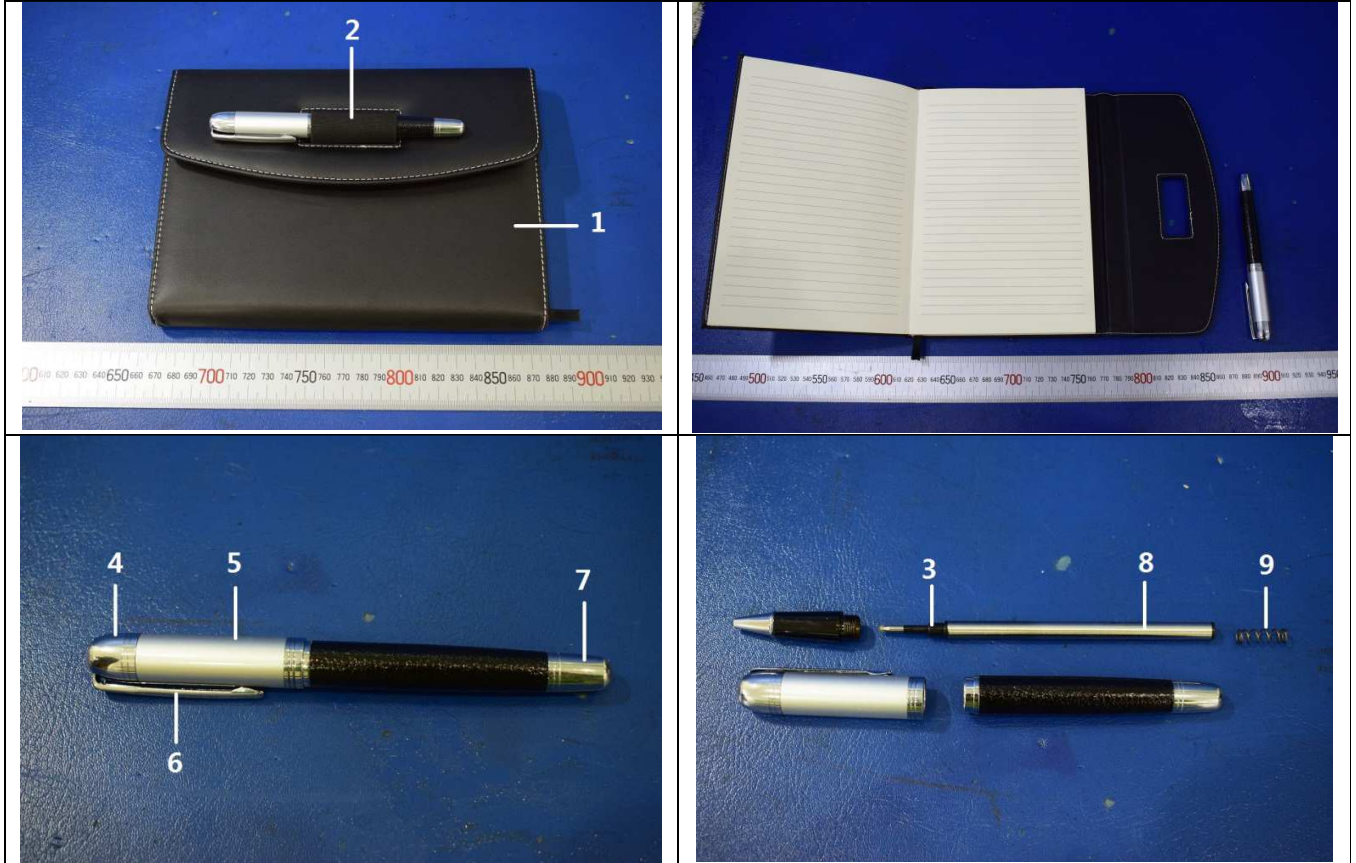
\*\*\*\*\* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) \*\*\*\*\*

Signed for and on behalf of  
Eurofins Product Testing Service (Shanghai) Co., Ltd

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Joyce Liu  
Lab Manager

**SAMPLE PHOTO(S)**



**EFSH19123013-CG-01**

\*\*\*TO BE CONTINUED\*\*\*

## COMPONENT LIST

Component No.	Component
1	Black PU
2	Black elastic band
3	Black plastic (Refill)
4	Silver plated metal (Cap)(forepart)
5	Silver plated metal (Cap)(middle)
6	Silver plated metal (Clip)
7	Silver plated metal (End closure)
8	Silver metal (Refill)
9	Silver grey metal (Spring)

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Total Lead Content

Test Request: Total lead content as specified in entry 63 of annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 2015/628.

Test Method: EPA 3050B:1996, EPA 3051A:2007, EPA 3052:1996  
 Acid digestion/ microwave digestion method was used and total lead content was determined by ICP-OES.

Tested Item(s)	Unit	Limit	MDL	Result			
				1	2	3	4
Total Lead(Pb)	%	0.05	0.001	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result			
				5	6	7	8+9
Total Lead(Pb)	%	0.05	0.001	ND	ND	ND	0.0109

**Remark:**

MDL = method detection limit

ND = Not detected, less than MDL

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

As per client's request, only the appointed materials have been tested.

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Total Cadmium Content

Test Request: Total cadmium content as specified in Commission Regulation (EU) 2016/217 amending entry 23 of Annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: EPA 3050B:1996, EPA 3052:1996, EN 1122:2001 Method B, acid digestion method was used and total cadmium content was determined by ICP-OES.

Tested Item(s)	Unit	Limit	MDL	Result			
				1	2	3	4
Total Cadmium(Cd)	%	0.01	0.0005	ND	ND	ND	0.0014

Tested Item(s)	Unit	Limit	MDL	Result			
				5	6	7	8+9
Total Cadmium(Cd)	%	0.01	0.0005	ND	ND	0.0025	ND

**Remark:**

MDL = method detection limit

ND = Not detected, less than MDL

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

As per client's request, only the appointed materials have been tested.

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Phthalates Content

Test Request: Phthalates content as specified in entry 51&52 of annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Commission Regulation (EU) 2018/2005.

Test Method: EPA 3550C:2007, EPA 8270E:2018, solvent extraction and quantification by GC-MS.

Tested Item(s)	CAS No.	Unit	Limit	MDL	Result		
					1	2	3
Dibutylphthalate (DBP)	84-74-2	%	-	0.005	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	-	0.005	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	-	0.005	ND	ND	ND
Diisobutylphthalate (DIBP)	84-69-5	%	-	0.005	ND	ND	ND
Sum (DBP + BBP + DEHP + DIBP)	-	%	0.1	-	ND	ND	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	-	0.005	ND	ND	ND
Diisononylphthalate (DINP)	28553-12-0	%	-	0.005	ND	ND	ND
Diisodecylphthalate (DIDP)	26761-40-0	%	-	0.005	ND	ND	ND
Sum (DNOP + DINP + DIDP)	-	%	0.1	-	ND	ND	ND

**Remark:**

MDL = method detection limit

ND = Not detected, less than MDL

As per client's request, only the appointed materials have been tested.

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Banned AZO Dyes

Test Request: Banned AZO dyes as specified in entry 43 of annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: EN ISO 14362-1:2017

Tested Item(s)	CAS No.	Unit	Limit	MDL	Result
					1
4-Aminobiphenyl	92-67-1	mg/kg	30	5	ND
4,4'-Benzidine	92-87-5	mg/kg	30	5	ND
4-Chloro-2-methylaniline	95-69-2	mg/kg	30	5	ND
2-Naphthylamine	91-59-8	mg/kg	30	5	ND
o-Aminoazotoluene (Note 1)	97-56-3	mg/kg	30	5	ND
5-Nitro-o-toluidine (Note 1)	99-55-8	mg/kg	30	5	ND
4-Chloroaniline	106-47-8	mg/kg	30	5	ND
4-Methoxy-1,3-phenylenediamine	615-05-4	mg/kg	30	5	ND
Bis-(4-aminophenyl)methane	101-77-9	mg/kg	30	5	ND
3,3'-Dichlorobenzidine	91-94-1	mg/kg	30	5	ND
3,3'-Dimethoxybenzidine	119-90-4	mg/kg	30	5	ND
3,3'-Dimethylbenzidine	119-93-7	mg/kg	30	5	ND
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	mg/kg	30	5	ND
2-Methoxy-5-methylaniline	120-71-8	mg/kg	30	5	ND
4,4'-Methylene bis(o-chloroaniline)	101-14-4	mg/kg	30	5	ND
4,4'-Oxydianiline	101-80-4	mg/kg	30	5	ND
4,4'-Thiodianiline	139-65-1	mg/kg	30	5	ND
o-Toluidine	95-53-4	mg/kg	30	5	ND
2,4-Diaminotoluene	95-80-7	mg/kg	30	5	ND
2,4,5-Trimethylaniline	137-17-7	mg/kg	30	5	ND
o-Anisidine	90-04-0	mg/kg	30	5	ND
4-Amino-azobenzene (Note 2)	60-09-3	mg/kg	30	5	ND

#### Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

Note 1: The CAS-numbers 97-56-3 and 99-55-8 are further reduced to CAS-numbers 95-53-4 and 95-80-7.

Note 2: 4-Amino-azobenzene(CAS No.:60-09-3) is reduced to aniline and 1,4-phenylenediamine. Need further confirmation when aniline and/or 1,4-phenylenediamine are detected.

As per client's request, only the appointed materials have been tested.

\*\*\*TO BE CONTINUED\*\*\*



## TEST RESULT

### Colourfastness To Rubbing

EN ISO 105-X12:2016

	1	Client Requirement:
Lengthwise		
Dry	4-5	2-3
Wet	4-5	2-3
Widthwise		
Dry	4-5	2-3
Wet	4-5	2-3

### **Grey Scale for Assessing Colour Change/Staining**

Grade 5 negligible or no change or staining

Grade 4 slightly changed or stained

Grade 3 noticeably changed or stained

Grade 2 considerably changed or stained

Grade 1 much changed or stained

\*\*\*END OF THE REPORT\*\*\*