

Test report

T-25093674-11-R1



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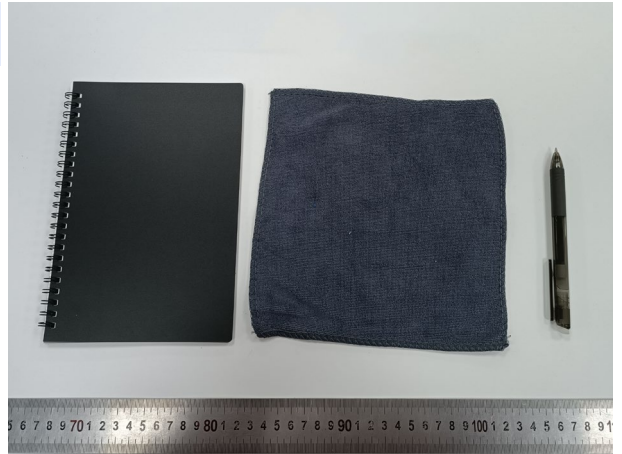
Overall result

Pass

Please refer to the following pages for test result summary and notes.

Client information

Client: Mid Ocean Brands B.V.
Address: 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong



Sample information

Description:	Erasable notebook with water erasable pen and cloth
SKU/style #:	MO6727
Country of origin:	-
Country of distribution:	Europe
Material / Composition:	Paper, AS, polyester
Quantity submitted:	3 styles total: 1pc cloth; 9pcs pen; 5pcs notebook
Labeled age grade:	-
Tested age grade:	-
Vendor code:	118518

General information

Sample receipt date:	05-Mar-2025	Report date:	19-Mar-2025
Testing period:	06-Mar-2025 to 12-Mar-2025, 13-Mar-2025 to 18-Mar-2025		

QIMA (Hangzhou) Testing Co., Ltd.

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Result summary

At the request of the client, the following test were conducted:

Test(s) conducted	Conclusion
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Paints and Surface Coatings	Pass
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Substrate Materials	Pass
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Paints and Surface Coatings	Pass
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Substrate Materials	Pass
Regulation (EC) No. 1907/2006 REACH Annex XVII as amended, Item 51 and 52 Phthalates –Mouthable (DBP, BBP, DEHP, DIBP, DnOP, DINP, DIDP)	Pass
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 43 Azocolorants in Textiles	Pass
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 50 Polycyclic Aromatic Hydrocarbon (PAH)	Pass
Colour Fastness to Rubbing	Pass



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Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Paints and Surface Coatings

Test Method: CPSC-CH-E1003-09.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	2+10	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	19	---	---	---	---	500
Conclusion	Pass	---	---	---	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.



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Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Substrate Materials

Test Method: CPSC-CH-E1001-08.3 (Metal) and/or CPSC-CH-E1002-08.3 (Non-Metal)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1+4+5	3	6+12	7+8+9	11	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	ND	ND	ND	ND	500
Conclusion	Pass	Pass	Pass	Pass	Pass	

Specimen No.	13	14	15	18	19	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	ND	ND	ND	ND	500
Conclusion	Pass	Pass	Pass	Pass	Pass	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.



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Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Paints and Surface Coatings

Test Method: ASTM F963-23 Clause 8.3.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	2+10	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Cadmium (Cd)	ND	---	---	---	---	1000
Conclusion	Pass	---	---	---	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.



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Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Substrate Materials

Test Method: ASTM F963-23 Clause 8.3.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1+4+5	6+12	7+8+9	13	16	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Cadmium (Cd)	ND	ND	ND	ND	ND	100
Conclusion	Pass	Pass	Pass	Pass	Pass	

Specimen No.	18	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Cadmium (Cd)	ND	---	---	---	---	100
Conclusion	Pass	---	---	---	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.



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Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII as amended, Item 51 and 52 Phthalates – Mouthable (DBP, BBP, DEHP, DIBP, DnOP, DINP, DIDP)

Test Method: CPSC-CH-C1001-09.4
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1+4+5	2+10	6+12	Limit (% w/w)
Test Item	CAS No.	Result (% w/w)	Result (% w/w)	Result (% w/w)	
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.1
Benzyl Butyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.1
Di-(2-Ethylhexyl) Phthalate (DEHP)	117-81-7	ND	0.0226	ND	0.1
Diisobutyl Phthalate (DIBP)	84-69-5	ND	ND	ND	0.1
Sum of DBP, BBP, DEHP, DIBP		ND	0.0226	ND	0.1
Di-n-Octyl Phthalate (DnOP)	117-84-0	ND	ND	ND	
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	
Sum of DnOP, DINP, DIDP		ND	ND	ND	0.1
Conclusion		Pass	Pass	Pass	

Note:

% w/w = Percent by weight

LT = Less than

ND = Not detected (Reporting Limit = 0.015 % w/w)

Composite results are based on specimen of least mass resulting in highest potential concentration.



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Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII as amended, Item 51 and 52 Phthalates – Mouthable (DBP, BBP, DEHP, DIBP, DnOP, DINP, DIDP)

Test Method: CPSC-CH-C1001-09.4
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		7+8+9	13	16	Limit (% w/w)
Test Item	CAS No.	Result (% w/w)	Result (% w/w)	Result (% w/w)	
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.1
Benzyl Butyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.1
Di-(2-Ethylhexyl) Phthalate (DEHP)	117-81-7	ND	ND	ND	0.1
Diisobutyl Phthalate (DIBP)	84-69-5	ND	ND	ND	0.1
Sum of DBP, BBP, DEHP, DIBP		ND	ND	ND	0.1
Di-n-Octyl Phthalate (DnOP)	117-84-0	ND	ND	ND	
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	
Sum of DnOP, DINP, DIDP		ND	ND	ND	0.1
Conclusion		Pass	Pass	Pass	

Note:

% w/w = Percent by weight

LT = Less than

ND = Not detected (Reporting Limit = 0.015 % w/w)

Composite results are based on specimen of least mass resulting in highest potential concentration.



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Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII as amended, Item 51 and 52 Phthalates – Mouthable (DBP, BBP, DEHP, DIBP, DnOP, DINP, DIDP)

Test Method: CPSC-CH-C1001-09.4
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		18	---	---	Limit (% w/w)
Test Item	CAS No.	Result (% w/w)	Result (% w/w)	Result (% w/w)	
Dibutyl Phthalate (DBP)	84-74-2	ND	---	---	0.1
Benzyl Butyl Phthalate (BBP)	85-68-7	ND	---	---	0.1
Di-(2-Ethylhexyl) Phthalate (DEHP)	117-81-7	ND	---	---	0.1
Diisobutyl Phthalate (DIBP)	84-69-5	ND	---	---	0.1
Sum of DBP, BBP, DEHP, DIBP		ND	---	---	0.1
Di-n-Octyl Phthalate (DnOP)	117-84-0	ND	---	---	
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	---	---	
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	---	---	
Sum of DnOP, DINP, DIDP		ND	---	---	0.1
Conclusion		Pass	---	---	

Note:

% w/w = Percent by weight

LT = Less than

ND = Not detected (Reporting Limit = 0.015 % w/w)





Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 43 Azocolorants in Textiles

Test Method: EN ISO 14362-1:2017, EN ISO 14362-3:2017
Analytical Method: Gas Chromatography with Mass Spectrometry, Liquid Chromatography with Diode Array Detection / Liquid Chromatography with Mass Spectrometry

Specimen No.		14+15	---	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
4-aminobiphenyl	92-67-1	ND	---	---	---	30
Benzidine	92-87-5	ND	---	---	---	30
4-chloro-o-toluidine	95-69-2	ND	---	---	---	30
2-naphtylamine	91-59-8	ND	---	---	---	30
o-Aminoazotoluene	97-56-3	ND	---	---	---	30
5-nitro-o-toluidine	99-55-8	ND	---	---	---	30
4-chloroaniline	106-47-8	ND	---	---	---	30
2,4-diaminoanisoie	615-05-4	ND	---	---	---	30
4,4'-methylenedianiline	101-77-9	ND	---	---	---	30
3,3'-dichlorobenzidine	91-94-1	ND	---	---	---	30
o-dianisidine	119-90-4	ND	---	---	---	30
3,3'-dimethylbenzidine	119-93-7	ND	---	---	---	30
4,4'-methylenedi-o-toluidine	838-88-0	ND	---	---	---	30
p-cresidine	120-71-8	ND	---	---	---	30
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	ND	---	---	---	30
4,4'-oxydianiline	101-80-4	ND	---	---	---	30
4,4'-thiodianiline	139-65-1	ND	---	---	---	30
o-toluidine	95-53-4	ND	---	---	---	30
2,4-diaminotoluene	95-80-7	ND	---	---	---	30
2,4,5-trimethylaniline	137-17-7	ND	---	---	---	30
2-methoxyaniline	90-04-0	ND	---	---	---	30
4-aminoazobenzene	60-09-3	ND	---	---	---	30
Conclusion		Pass	---	---	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 5 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:

In the case of levels per amine component less than or equal to 30 mg/kg, according to the analysis as carried out, azo colorants which can release one or more of certain listed amines by cleavage of their azo group/s were not detected in the commodity submitted.



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Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 50 Polycyclic Aromatic Hydrocarbon (PAH)

Test Method: AfPS GS 2019:01
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1+4+5	6	18	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Benzo [a] pyrene (BaP)	50-32-8	ND	ND	ND	---	1
Benzo [e] pyrene (BeP)	192-97-2	ND	ND	ND	---	1
Benzo [a] anthracene (BaA)	56-55-3	ND	ND	ND	---	1
Chrysene (CHR)	218-01-9	ND	ND	ND	---	1
Benzo [b] fluoranthene (BbFA)	205-99-2	ND	ND	ND	---	1
Benzo [j] fluoranthene (BjFA)	205-82-3	ND	ND	ND	---	1
Benzo [k] fluoranthene (BkFA)	207-08-9	ND	ND	ND	---	1
Dibenzo [a,h] anthracene (DBAaA)	53-70-3	ND	ND	ND	---	1
Conclusion		Pass	Pass	Pass	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 0.2 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.



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Detailed results

Colour Fastness to Rubbing

Test Method: ISO 105-X12: 2016, Size of rubbing finger: 19 x 25.4mm.

Specimen No.	17	---	---	---	---	Client's requirement
Items	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	
Dry staining	4-5	---	---	---	---	Min. 2-3
Wet staining	4-5	---	---	---	---	Min. 2-3
Conclusion	Pass	---	---	---	---	-

Remark: Grey Scale rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.



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Specimen description

Specimen #	Specimen description	Location
1	Black plastic	Notebook cover
2	Black coating	Notebook coil
3	Silvery metal	Notebook coil
4	Translucent black plastic	Barrel
5	Translucent black plastic	Nib shell
6	Black soft plastic	Grip
7	Translucent black plastic	Cartridge
8	Black plastic	Nib base
9	Translucent plastic	Cartridge tail
10	Black ink	Cartridge ink
11	Silvery metal	Spring
12	Translucent soft plastic	Tail
13	Black coated white label	Cloth label
14	Dull blue textile	Cloth
15	Grey thread	Edge thread
16	White plastic	Barrel inner
17	Navy grey cloth	Finished product
18	Black printed transparent/white soft plastic	Inside pages
19	Black printed white paper	Inside pages instruction



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Pictures

Sample photo:



End of the report

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and the method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the QIMA decision rule. (<https://www.qima.com/conditions-of-service#decisionRule>). This test report may not be reproduced in whole or in part, without the written approval of QIMA (Hangzhou) Testing Co., Ltd.



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