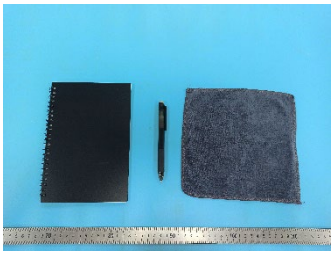
QIMA
YOUR EYES IN THE SUPPLY CHAIN

TEST REPORT

Test Report #	22A-012144	Date of Report Issue:	October 26, 2022
Date of Sample Received:	October 19, 2022	Pages:	Page 1 of 10

CLIENT INFORMATION:

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



SAMPLE INFORMATION:

Product Name:	Erasable notebook with water erasable pen and cloth		
Style No.:	-	Labeled Age Grade:	-
Order No.(PO No.):	-	Client Request Age Grade:	-
Country of Origin:	-	Recommended Age Grade:	-
Country of Distribution:	Europe	Tested Age Grade:	-
Model No.:	MO6727		
Composition/Main Material:	Paper,PP,polyester		
Buyer Name:	Mid Ocean Brands B.V.		
Supplier Name:	100396		
Testing Period:	10/20/2022-10/26/2022		

OVERALL RESULT: PASS

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

QIMA (HANGZHOU) TESTING CO., LTD.

Jeremy Xu
Chemical Laboratory Supervisor

QIMA (HANGZHOU) TESTING CO., LTD.

Thetis Tang
Textile Laboratory Supervisor

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TEST RESULTS SUMMARY:

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

CONCLUSION	TEST(S) CONDUCTED
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 Substrate Materials
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 43 Azocolorants in Textiles
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	Colour Fastness to Rubbing

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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	2+9+10	3	4	5+6+8	**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.	7	11	12	---	---	**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	---	---	**500**
Conclusion	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 Substrate Materials

Test Method: ASTM F963-17 Clause 8.3.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	2+9+10	5+6+8	7	---	---	**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	---	---	**100**
Conclusion	PASS	PASS	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, 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.		1	---	---	---	
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	**Limit (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-diaminoanisole	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	---	---	---	

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Note:
mg/kg = Milligrams per kilogram
LT = Less than
ND = Not detected (Reporting Limit = 5 mg/kg)

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 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.		2	5+6	7	**Limit (mg/kg)**
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	**1000**
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	**1000**
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	**1000**
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	**1000**
Sum of DBP, BBP, DEHP, DIBP		ND	ND	ND	**1000**
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	**1000**
Conclusion		PASS	PASS	PASS	

Note:
mg/kg (Milligrams per kilogram) = ppm (Parts per million) = 0.0001 % w/w (Percent by weight)
LT = Less than
ND = Not detected (Reporting Limit = 150 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.	1	---	---	---	---	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 No.	Specimen Description	Location
1	Grey textile with grey thread	Cloth
2	Black plastic	Notebook cover
3	Black coated silvery metal	Notebook coil
4	Black printed white paper	Inside pages
5	Translucent black plastic	Pen body
6	Translucent plastic	Pen top
7	Black soft plastic	Pen grip
8	Translucent plastic	Cartridge top
9	Translucent black plastic	Cartridge tube
10	Black plastic	Cartridge lower
11	Silvery metal	Pen inner spring
12	Silvery metal	Nib

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SAMPLE PHOTO:

-End Report-

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