

# **Test Report**

Report No. : AGC05443231115-001

**SAMPLE NAME** : A5 notebook w/ pen 72 lined

MODEL NAME : MO2195

**APPLICANT**: MID OCEAN BRANDS B.V

**STANDARD(S)** : Please refer to the following page(s).

**DATE OF ISSUE** : Nov. 17, 2023

Attestation of Global Compliance (Shenzhen) Std & Tech Co., Ltd.





Applicant : MID OCEAN BRANDS B.V

Address : 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.

Test Site : 6/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community, Hangcheng Street,

Bao'an District, Shenzhen, Guangdong, China

Report on the submitted sample(s) said to be:

Sample Name : A5 notebook w/ pen 72 lined

Model : MO2195
Vendor code : 104901
Country of Origin : CHINA
Country of Destination : EUROPE
Sample Received Date : Nov. 10, 2023

Testing Period : Nov. 10, 2023 to Nov. 17, 2023

Test Requested : Selected test(s) as requested by client.

Test Requested: Conclusion

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 63

- Lead(Pb) Content

Pass

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Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 23

-Cadmium(Cd) Content

Pass

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 51&52

- Phthalates Content

Pass

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 50

- Polycyclic-aromatic Hydrocarbons (PAHs) Content

Pass

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 43

- Aromatic Amines Azodyes (AZO) Content

Pass

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 47

- Chromium VI compounds Content

Pass

- Colour fastness to rubbing

Pass

Approved by : Jessie Lians

Liangdan, Jessie.Liang

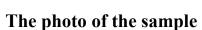
**Technical Director** 



Report Revise Record

Report No.: AGC05443231115-001
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Report Version	Issued Date	ed Date Valid Version Notes	
/	Nov. 17, 2023	Valid	Initial release







The photo of AGC05443231115-001 is for use only with the original report.

### **Test Point Description**

Test point	Test point description					
1-1	Black paper box+Yellow paper box					
1-2	Inner stripe paper+Inner paper					
1-3	Black notebook cover+Brown notebook cover					
1-4	Black elastic band+Brown elastic band					
1-5	Black round elastic band+Brown round elastic band					
1-6	Black rope+Brown rope					
1-7	Silver coating+Black coating					
1-8	Inside blue plastic pen holder+White plastic inner pen holder					
1-9	Blue ink					
1-10	Metal pen holder					
1-11	Metal pen clip					
1-12	Metal inner pen holder					
1-13	Metal refill tube					
1-14	Copper ring					
1-15	Black notebook cover					
1-16	Brown notebook cover					



Test point	Test point description
1-17	Black elastic band
1-18	Brown elastic band
1-19	Black round elastic band
1-20	Brown round elastic band
1-21	Black rope
1-22	Brown rope



Note: N.D.=Not Detected (less than method detection limit), MDL = Method Detection Limit, 1mg/kg=0.0001%

### Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 63

### - Lead(Pb) Content

Test Methods and Equipment: IEC 62321-5:2013; ICP-OES

Test Item(s)	Unit	Unit Limit	4 MDI	Test Result(s)			
Test Item(s)	Unit	Limit	MDL	1-1	1-2	1-3	
Lead(Pb)	mg/kg	500	10	N.D.	N.D.	N.D.	
Conclusion				Conformity	Conformity	Conformity	

Tost Itam(s)	Test Item(s) Unit Limi		MDL	Test Result(s)			
Test Item(s)	Unit	Limit	MIDL	1-4	1-5	1-6	
Lead(Pb)	mg/kg	500	10	N.D.	N.D.	N.D.	
Conclusion				Conformity	Conformity	Conformity	

Test Item(s)		Init Limit	MDL	Test Result(s)		
Test Item(s)	Unit	Limit	MDL	1-7	1-8	1-9
Lead(Pb)	mg/kg	500	10	N.D.	N.D.	N.D.
Con	Conformity	Conformity	Conformity			

Test Item(s)	Unit Limit	MDL	Test Result(s)			
rest item(s)	Unit	LIIIII	MIDL	1-10	1-11	1-12
Lead(Pb)	mg/kg	500	10	61	N.D.	N.D.
Con	Conformity	Conformity	Conformity			

Tost Itom(s)	Unit	Limit	MDL	Test Result(s)		
Test Item(s)	Unit	Lillit	MIDL	1-13	1-14	
Lead(Pb)	mg/kg	500	10	N.D.	14	
Co	Conformity	Conformity				

### Remark:

1. As specified by client, the submitted samples were mixed to test, the test points: 1-1,1-2,1-3,1-4,1-5,1-6,1-8



### Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 23

### -Cadmium(Cd) Content

Test Methods and Equipment: IEC 62321-5:2013; ICP-OES

Toot Itom(s)	Unit Limit	MDL	Test Result(s)			
Test Item(s)	Onit	Limit	MDL	1-3	1-7	1-8
Cadmium(Cd)	mg/kg	100	10	N.D.	N.D.	N.D.
Con		Conformity	Conformity	Conformity		

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#### Remark:

### Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 51&52

### - Phthalates Content

Test Methods and Equipment: IEC 62321-8:2017; GC-MS

Tost Itom(s)	Linit	Limit	MDL	7	Test Result(s)	
Test Item(s)	Unit	Limit	WIDL	1-3	1-7	1-8
Diisobutyl phthalate (DIBP) CAS:84-69-5	%	0.1	0.005	N.D.	N.D.	N.D.
Dibutyl phthalate (DBP) CAS:84-74-2	%	0.1	0.005	N.D.	N.D.	N.D.
Butylbenzyl phthalate (BBP) CAS:85-68-7	%	0.1	0.005	N.D.	N.D.	N.D.
Di-(2-ethylhexyl) Phthalate (DEHP) CAS:117-81-7	%	0.1	0.005	N.D.	N.D.	N.D.
Di-n-octyl phthalate (DNOP) CAS:117-84-0	%	/	0.005	N.D.	N.D.	N.D.
Di-isononyl phthalate (DINP) CAS:28553-12-0, 68515-48-0	%	/	0.005	N.D.	N.D.	N.D.
Di-isodecyl phthalate(DIDP) CAS:26761-40-0, 68515-49-1	%	/	0.005	N.D.	N.D.	N.D.
Sum of DIBP +DBP+BBP+DEHP	%	0.1	/	N.D.	N.D.	N.D.
Sum of DNOP+DINP+DIDP	%	0.1	/	N.D.	N.D.	N.D.
Con	Conformity	Conformity	Conformity			

### Remark:

1. As specified by client, the submitted samples were mixed to test, the test points: 1-3,1-8

### Limit requirements of Phthalates

Toys and childcare articles	Each of DEHP, DBP, BBP, DIBP is less than 0.1% or the sum of DEHP+DBP+BBP+DIBP is less than 0.1%
Toys and childcare articles which can be placed in the mouth by children	The sum of DINP+DIDP+DNOP is less than 0.1%

<sup>1.</sup> As specified by client, the submitted samples were mixed to test, the test points: 1-3,1-8



### Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 50

### - Polycyclic-aromatic Hydrocarbons (PAHs) Content

Test Methods and Equipment: Afps GS 2019:01 PAK; GC-MS

Toot Itom(a)	Unit	Limit	MDI	Test Result(s)	
Test Item(s)	Ollit	Lillit	MDL	1-3	1-7
Benzo[a]pyrene(BaP)	mg/kg	1	0.1	N.D.	N.D.
Benzo[e]pyrene(BeP)	mg/kg	1	0.1	N.D.	N.D.
Benzo[a]anthracene(BaA)	mg/kg	1	0.1	N.D.	N.D.
Benzo[b]fluoranthene(BbF)	mg/kg	1	0.1	N.D.	N.D.
Benzo[j]fluoranthene(BjFA)	mg/kg	1	0.1	N.D.	N.D.
Benzo[k]fluoranthene(BkF)	mg/kg	1	0.1	N.D.	N.D.
Chrysene(CHR)	mg/kg	1	0.1	N.D.	N.D.
Dibenzo[a,h]anthracene(DBA)	mg/kg	1	0.1	N.D.	N.D.
Conclusion			Conformity	Conformity	

### Remark:

1. As specified by client, the submitted samples were mixed to test, the test points: 1-3

Limit requirements of Polycyclic-aromatic Hydrocarbons (PAHs) (Unit: mg/kg)

Items	CAS No.	Extender oils or used for the production of tyres or parts of tyres	Any of their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity	Toys, including activity toys, and childcare articles, any of their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity
Benzo[a]pyrene(BaP)	50-32-8	≤ 1	≤1	≤ 0.5
Benzo[e]pyrene(BeP)	192-97-2	/	<u> </u>	≤ 0.5
Benzo[a]anthracene(BaA)	56-55-3	/	≤ 1	≤ 0.5
Benzo[b]fluoranthene(BbF)	205-99-2	/	≤ 1	≤ 0.5
Benzo[j]fluoranthene(BjFA)	205-82-3	/	≤ 1	≤ 0.5
Benzo[k]fluoranthene(BkF)	207-08-9	/	≤1	≤ 0.5
Chrysene(CHR)	218-01-9	/	≤ 1	≤ 0.5
Dibenzo[a,h]anthracene(DBA)	53-70-3	/	≤ 1	≤ 0.5
Sum of BaP+ BeP+ BaA+ BbF+ BjFA+ BkF+ CHR+ DBA	/	≤ 10	/	/



Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 43

# - Aromatic Amines Azodyes (AZO) Content

Test Methods and Equipment: EN ISO 14362-1:2017; GC-MS

T (1)	TT *.	<b>T</b> • •	) (D)	Test Result(s)		
Test Item(s)	Unit	Limit	MDL	1-3	1-4	
4-Aminobiphenyl CAS:92-67-1	mg/kg	30	5	N.D.	N.D.	
Benzidine CAS:92-87-5	mg/kg	30	5	N.D.	N.D.	
4-Chloro-o-toluidine CAS:95-69-2	mg/kg	30	5	N.D.	N.D.	
2-Naphthylamine CAS:91-59-8	mg/kg	30	5	N.D.	N.D.	
o-Aminoazotoluene CAS:97-56-3	mg/kg	30	5	N.D.	N.D.	
5-Nitro-o-toluidine CAS:99-55-8	mg/kg	30	5	N.D.	N.D.	
p-Chloroaniline CAS:106-47-8	mg/kg	30	5	N.D.	N.D.	
4-Methoxy-m-phenylenediamine CAS:615-05-4	mg/kg	30	5	N.D.	N.D.	
4,4'-Diaminodiphenylmethane CAS:101-77-9	mg/kg	30	5	N.D.	N.D.	
3,3'-Dichlorobenzidine CAS:91-94-1	mg/kg	30	5	N.D.	N.D.	
3,3'-Dimethoxybenzidine	mg/kg	30	5	N.D.	N.D.	
CAS:119-90-4 3,3'-Dimethybenzidine	mg/kg	30	5	N.D.	N.D.	
CAS:119-93-7 4,4'-Methylenedi-o-toluidine	mg/kg	30	5	N.D.	N.D.	
CAS:838-88-0 p-Cresidine	mg/kg	30	5	N.D.	N.D.	
CAS:120-71-8 4,4'-Methylenebis[2-chloroaniline]	mg/kg	30	5	N.D.	N.D.	
CAS:101-14-4 4,4'-Oxydianiline	mg/kg	30	5	N.D.	N.D.	
CAS:101-80-4 4,4'-Thiodianiline	mg/kg	30	5	N.D.	N.D.	
CAS:139-65-1 2-Aminotoluene	mg/kg	30	5	N.D.	N.D.	
CAS:95-53-4 2,4-Toluylendiamine						
CAS:95-80-7	mg/kg	30	5	N.D.	N.D.	
2,4,5-Trimethylaniline CAS:137-17-7	mg/kg	30	5	N.D.	N.D.	
o-Anisidine CAS:90-04-0	mg/kg	30	5	N.D.	N.D.	
4-Aminoazobenzene CAS:60-09-3	mg/kg	30	5	N.D.	N.D.	
Conclusion				Conformity	Conformity	

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Test Item(s)	Unit Limit		Test Result(s)		
Test Item(s)	Unit	Limit	MDL	1-5	1-6
4-Aminobiphenyl CAS:92-67-1	mg/kg	30	5	N.D.	N.D.
Benzidine CAS:92-87-5	mg/kg	30	5	N.D.	N.D.
4-Chloro-o-toluidine CAS:95-69-2	mg/kg	30	5	N.D.	N.D.
2-Naphthylamine CAS:91-59-8	mg/kg	30	5	N.D.	N.D.
o-Aminoazotoluene CAS:97-56-3	mg/kg	30	5	N.D.	N.D.
5-Nitro-o-toluidine CAS:99-55-8	mg/kg	30	5	N.D.	N.D.
p-Chloroaniline CAS:106-47-8	mg/kg	30	5	N.D.	N.D.
4-Methoxy-m-phenylenediamine CAS:615-05-4	mg/kg	30	5	N.D.	N.D.
4,4'-Diaminodiphenylmethane CAS:101-77-9	mg/kg	30	5	N.D.	N.D.
3,3'-Dichlorobenzidine CAS:91-94-1	mg/kg	30	5	N.D.	N.D.
3,3'-Dimethoxybenzidine CAS:119-90-4	mg/kg	30	5	N.D.	N.D.
3,3'-Dimethybenzidine CAS:119-93-7	mg/kg	30	5	N.D.	N.D.
4,4'-Methylenedi-o-toluidine CAS:838-88-0	mg/kg	30	5	N.D.	N.D.
p-Cresidine CAS:120-71-8	mg/kg	30	5	N.D.	N.D.
4,4'-Methylenebis[2-chloroaniline] CAS:101-14-4	mg/kg	30	5	N.D.	N.D.
4,4'-Oxydianiline CAS:101-80-4	mg/kg	30	5	N.D.	N.D.
4,4'-Thiodianiline CAS:139-65-1	mg/kg	30	5	N.D.	N.D.
2-Aminotoluene CAS:95-53-4	mg/kg	30	5	N.D.	N.D.
2,4-Toluylendiamine CAS:95-80-7	mg/kg	30	5	N.D.	N.D.
2,4,5-Trimethylaniline CAS:137-17-7	mg/kg	30	5	N.D.	N.D.
o-Anisidine CAS:90-04-0	mg/kg	30	5	N.D.	N.D.
4-Aminoazobenzene CAS:60-09-3	mg/kg	30	5	N.D.	N.D.
Со	nclusion			Conformity	Conformity

### Remark:

1. As specified by client, the submitted samples were mixed to test, the test points: 1-3,1-4,1-5,1-6

Note: 4-aminoazobenzene: The EN ISO 14362-1:2017 or ISO 17234-1:2020 methods will enable further cleavage of 4-aminoazobenzene to aniline and / or 1,4-phenylenediamine. If aniline and / or 1,4-phenylenediamine are detected, 4-aminoazobenzene shall be further determined by EN ISO 14362-3:2017 or ISO 17234-2:2011.



### Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 47

### - Chromium VI compounds Content

Test Methods and Equipment: ISO 17075-1:2017; UV-Vis

Test Item(s)	Unit	Limit	MDL	Test Result(s)
Test Item(s)	Oilit	Lillit	MDL	1-3
Chromium VI compounds	mg/kg	3	3	N.D.
Со	nclusion			Conformity

### Remark:

1. As specified by client, the submitted samples were mixed to test, the test points: 1-3

### - Colour fastness to rubbing

**Test Method:** ISO 105-X12:2016

Rubbing finger: Cylinder

The time of conditioning as well as the atmospheric conditions during testing: 21.5 °C, 65 %R.H., 4 hrs

The percentage of soak of wet rubbing cloth: 95%~100% The long direction of the specimen: Endwise/Crossrange

	Test l		
Test point	Colour fastness to	Conclusion	
	Dry rubbing	Wet rubbing	]
1-15	4	3-4	Conformity
1-16	4-5	3	Conformity
1-17	4-5	4-5	Conformity
1-18	4-5	4-5	Conformity
1-19	4-5	4-5	Conformity
1-20	4-5	4-5	Conformity
1-21	4-5	4-5	Conformity
1-22	4-5	4-5	Conformity
Limit (Client's Requirement)	≥2-3	≥2-3	/

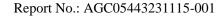
### Note:

Colour Fastness Grade:

Grade 5 = No Colour Change (Best Grade)

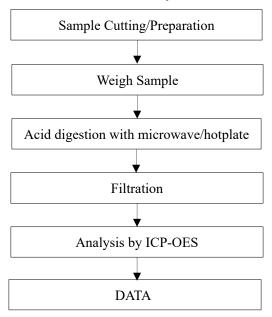
Grade 1 = Colour Change Seriously (Bad Grade)

9 grades in gray sample card: 5, 4-5, 4, 3-4, 3, 2-3, 2, 1-2, 1.

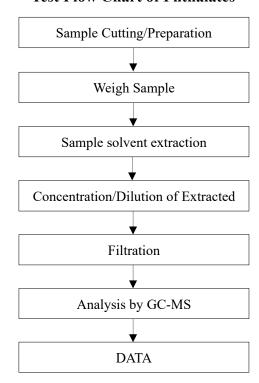


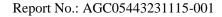


# **Test Flow Chart of Heavy Metal Content**



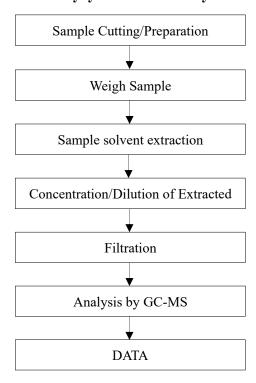
### **Test Flow Chart of Phthalates**

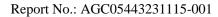






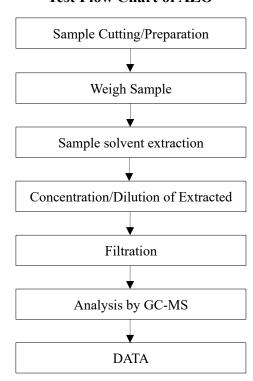
# **Test Flow Chart of Polycyclic-aromatic Hydrocarbons (PAHs)**

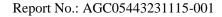






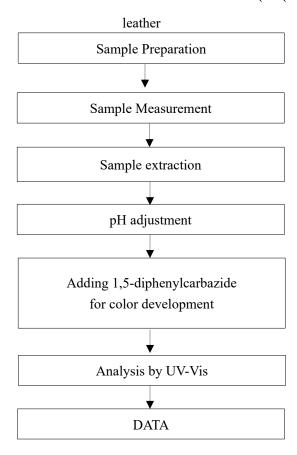
### **Test Flow Chart of AZO**







## Test Flow Chart of Hexavalent Chromium (Cr(VI))





# Conditions of Issuance of Test Reports

- 1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Std & Tech Co., Ltd. (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").
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- 5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
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- 8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
- 9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

\*\*\* End of Report \*\*\*