

Test Report

Report No. : AGC05443250528-001

SAMPLE NAME: A5 notebook, Metal twist ball pen in box, 3 pieces gift set in box

MODEL NAME : MO2603, MO2632, MO2633

APPLICANT : MID OCEAN BRANDS B.V.

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

DATE OF ISSUE : May 30, 2025

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





Applicant : MID OCEAN BRANDS B.V.

Address : Unit 711-716, 7/F., Tower A, 83 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, Metal twist ball pen in box, 3 pieces gift set in box

Model : MO2603, MO2632, MO2633

Vendor code : 104901
Country of Origin : CHINA
Country of Destination : EUROPE
Sample Received Date : May 20, 2025

Testing Period : May 20, 2025 to May 30, 2025

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

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

-Cadmium(Cd) Content

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

- Phthalates Content

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

- Polycyclic-aromatic Hydrocarbons (PAHs) Content

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

- Aromatic Amines Azodyes (AZO) Content

Regulation (EU) 2019/1021 on persistent organic pollutants (POPs)

Pass

- Pentachlorophenol (PCP) Content

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 77

Pass

- Formaldehyde Release

- Colour fastness to rubbing Pass

Approved by: Suhong living

Report No.: AGC05443250528-001

Pass

Pass

Suhongliang

Technical Director



Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	May 30, 2025	Valid	Initial release



The photo of the sample







The photo of AGC05443250528-001 is for use only with the original report.

Test Point Description

Test point	Test point description
1-1	Olive green material (notebook cover / keyring / pen)
1-2	Title paper (notebook)
1-3	White paper (notebook)
1-4	Green elastic band (notebook)
1-5	Green ribbon (notebook)
1-6	Metal sheet (notebook)
1-7	Metal ring(Keyring)
1-8	Metal clip(Keyring)
1-9	Screw(Keyring)
1-10	Metal pen head(pen)
1-11	Metal barrel(pen)
1-12	Metal pen clip(pen)



Test point	Test point description	
1-13	White plastic (pen tail)(pen)	
1-14	Metal inner tube(pen)	
1-15	White plastic inner tube(pen)	
1-16	Black plastic inner tube(pen)	
1-17	Blue plastic(pen)	
1-18	Metal pen core pipe(pen)	
1-19	Blue ink(pen)	
1-20	Carton box	



Note: N.D.=Not Detected (less than method detection limit), MDL = Method Detection Limit, 1mg/kg=0.0001% Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019/CNAS-GL015:2022.

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

Tost Itam(s)	Unit Limit		Limit MDL		Test Result(s)			
Test Item(s)	Unit	Limit	MIDL	1-1	1-2	1-3		
Lead(Pb)	mg/kg	500	10	N.D.	N.D.	N.D.		
Con	Conformity	Conformity	Conformity					

Test Item(s)	Unit Limit		MDI	Test Result(s)			
Test Item(s)	Onit	Limit	MDL	1-4+1-5	1-6	1-7	
Lead(Pb)	mg/kg	500	10	N.D.	18	N.D.	
Co	Conformity	Conformity	Conformity				

Tost Itam(s)	Unit Limit		Unit Limit MDL		Test Result(s)			
Test Item(s)	Onit	LIIIII	MDL	1-8	1-9	1-10		
Lead(Pb)	mg/kg	500	10	14	N.D.	37		
Con	Conformity	Conformity	Conformity					

Tost Itam(s)	Unit Limit		Unit Limit MDL		Test Result(s)			
Test Item(s)	Onit	Limit	MIDL	1-11	1-12	1-13		
Lead(Pb)	mg/kg	500	10	N.D.	N.D.	N.D.		
Con	Conformity	Conformity	Conformity					

				Test Result(s)			
Test Item(s)	Unit	Limit	MDL	1-14	1-15+1-	1-18	
` ,				1-14	16+1-17	1-10	
Lead(Pb)	mg/kg	500	10	N.D.	N.D.	N.D.	
Cor	Conformity	Conformity	Conformity				

Toot Itom(s)	Linit	Unit Limit	MDL	Test Result(s)		
Test Item(s)	Unit	Lillit	MIDL	1-19	1-20	
Lead(Pb)	mg/kg	500	10	N.D.	N.D.	
C	Conformity	Conformity				

Remark:

1. As specified by client, the submitted samples were mixed to test, the test points: 1-4+1-5,1-15+1-16+1-17



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

				Test Result(s)		
Test Item(s)	Unit	Limit	MDL	1-13	1-15+1-16+	
				1 15	1-17	
Cadmium(Cd)	mg/kg	100	10	N.D.	N.D.	
Co	Conformity	Conformity				

Report No.: AGC05443250528-001

Remark:

1. As specified by client, the submitted samples were mixed to test, the test points: 1-15+1-16+1-17

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

				Test Re	esult(s)
Test Item(s)	Unit	Limit	MDL	1-13	1-15+1-16+ 1-17
Diisobutyl phthalate (DIBP) CAS:84-69-5	%	0.1	0.005	N.D.	N.D.
Dibutyl phthalate (DBP) CAS:84-74-2	%	0.1	0.005	N.D.	N.D.
Butylbenzyl phthalate (BBP) CAS:85-68-7	%	0.1	0.005	N.D.	N.D.
Di-(2-ethylhexyl) Phthalate (DEHP) CAS:117-81-7	%	0.1	0.005	N.D.	N.D.
Di-n-octyl phthalate (DNOP) CAS:117-84-0	%	/	0.005	N.D.	N.D.
Di-isononyl phthalate (DINP) CAS:28553-12-0, 68515-48-0	%	/	0.005	N.D.	N.D.
Di-isodecyl phthalate(DIDP) CAS:26761-40-0, 68515-49-1	%	/	0.005	N.D.	N.D.
Sum of DIBP +DBP+BBP+DEHP	%	0.1	/	N.D.	N.D.
Sum of DNOP+DINP+DIDP	%	0.1	/	N.D.	N.D.
Co	Conformity	Conformity			

Remark:

1. As specified by client, the submitted samples were mixed to test, the test points: 1-15+1-16+1-17

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%
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Toys and childcare articles which can be placed in the mouth by children

Report No.: AGC05443250528-001

The sum of DINP+DIDP+DNOP is less than 0.1%

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

Test Item(s)	Unit Limit	MDL	Test Result(s)	
		Dillit	WIDE	1-13
Benzo[a]pyrene(BaP)	mg/kg	1	0.1	N.D.
Benzo[e]pyrene(BeP)	mg/kg	1	0.1	N.D.
Benzo[a]anthracene(BaA)	mg/kg	1	0.1	N.D.
Benzo[b]fluoranthene(BbF)	mg/kg	1	0.1	N.D.
Benzo[j]fluoranthene(BjFA)	mg/kg	1	0.1	N.D.
Benzo[k]fluoranthene(BkF)	mg/kg	1	0.1	N.D.
Chrysene(CHR)	mg/kg	1	0.1	N.D.
Dibenzo[a,h]anthracene(DBA)	mg/kg	1	0.1	N.D.
Conclusion				Conformity

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

Limit requirements of rotycyche-atomatic rrythocaroons (rArts) (Onit. ingrkg)						
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	/	≤ 1	≤ 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

Test Item(s)	Unit	Limit	MDL	Test Result(s)
4-Aminobiphenyl CAS:92-67-1	mg/kg	30	5	N.D.
Benzidine CAS:92-87-5	mg/kg	30	5	N.D.
4-Chloro-o-toluidine CAS:95-69-2	mg/kg	30	5	N.D.
2-Naphthylamine CAS:91-59-8	mg/kg	30	5	N.D.
o-Aminoazotoluene CAS:97-56-3	mg/kg	30	5	N.D.
5-Nitro-o-toluidine CAS:99-55-8	mg/kg	30	5	N.D.
p-Chloroaniline CAS:106-47-8	mg/kg	30	5	N.D.
4-Methoxy-m-phenylenediamine CAS:615-05-4	mg/kg	30	5	N.D.
4,4'-Diaminodiphenylmethane CAS:101-77-9	mg/kg	30	5	N.D.
3,3'-Dichlorobenzidine CAS:91-94-1	mg/kg	30	5	N.D.
3,3'-Dimethoxybenzidine CAS:119-90-4	mg/kg	30	5	N.D.
3,3'-Dimethybenzidine CAS:119-93-7	mg/kg	30	5	N.D.
4,4'-Methylenedi-o-toluidine CAS:838-88-0	mg/kg	30	5	N.D.
p-Cresidine CAS:120-71-8	mg/kg	30	5	N.D.
4,4'-Methylenebis[2-chloroaniline] CAS:101-14-4	mg/kg	30	5	N.D.
4,4'-Oxydianiline CAS:101-80-4	mg/kg	30	5	N.D.
4,4'-Thiodianiline CAS:139-65-1	mg/kg	30	5	N.D.
2-Aminotoluene CAS:95-53-4	mg/kg	30	5	N.D.
2,4-Toluylendiamine CAS:95-80-7	mg/kg	30	5	N.D.
2,4,5-Trimethylaniline CAS:137-17-7	mg/kg	30	5	N.D.
o-Anisidine CAS:90-04-0	mg/kg	30	5	N.D.
4-Aminoazobenzene CAS:60-09-3	mg/kg	30	5	N.D.
CAS.00-07-3	Conformity			

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Report No.: AGC05443250528-001



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

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.

Regulation (EU) 2019/1021 on persistent organic pollutants (POPs)

- Pentachlorophenol (PCP) Content

Test Methods and Equipment: EPA 3550C:2007 & EPA 8270E:2018; GC-MS

Test Item(s)	Unit	Limit MDL	Test Result(s)	
rest ttem(s)	Omi	LIIIII	MDL	1-1
Pentachlorophenol (PCP)	mg/kg	5	5	N.D.
Со	Conformity			

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 77

- Formaldehyde Release

Test Methods and Equipment: EN 717-1:2004; UV-Vis

Test Item(s)	Unit	Limit	MDL Te	Test Result(s)
	Onit	Lillit		1-1
Formaldehyde Release	mg/m³	0.062	0.006	N.D. (240h)
Conclusion				Conformity

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: 20.4 °C, 64 %R.H., 4 hrs

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

	Test 1		
Test point	Colour fastness to	Conclusion	
	Dry rubbing	Wet rubbing	
1-4	4-5	4-5	Conformity
1-5	4-5	4-5	Conformity
Limit (Client's Requirement)	≥2-3	≥2-3	/



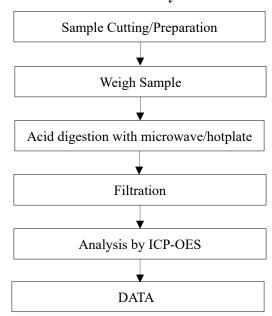
Colour Fastness Grade:

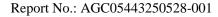
Grade 5 = No Colour Change (Best Grade)

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.

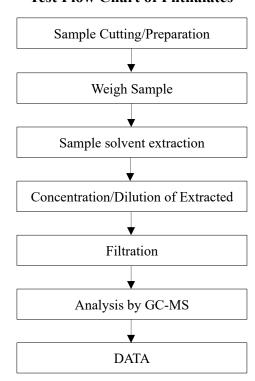
Test Flow Chart of Heavy Metal Content

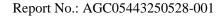






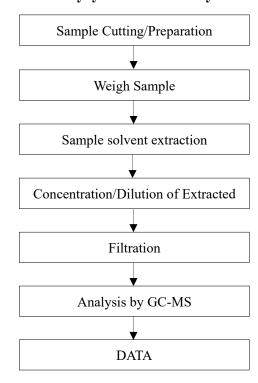
Test Flow Chart of Phthalates

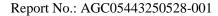






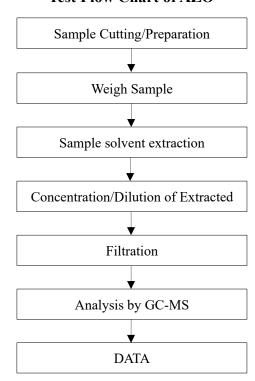
Test Flow Chart of Polycyclic-aromatic Hydrocarbons (PAHs)

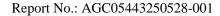






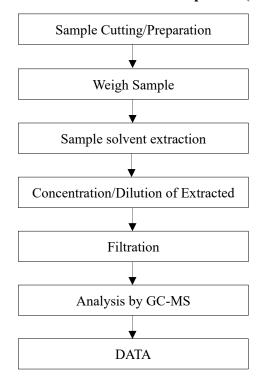
Test Flow Chart of AZO

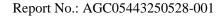






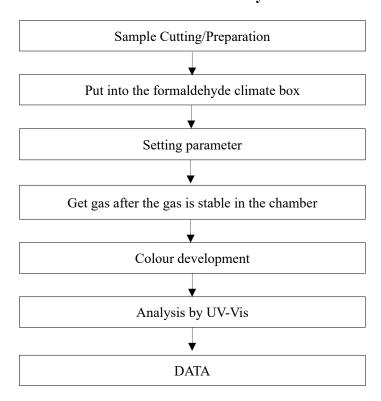
Test Flow Chart of Pentachlorophenol (PCP)







Test Flow Chart of Formaldehyde Release





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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.
- 6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations. 7. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
- 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 ***