Test Report

Report No.	:	AGC05443220528-001

SAMPLE NAME	:	A5 antibacterial notebook lined
MODEL NAME	:	MO6141
APPLICANT	:	MID OCEAN BRANDS B.V
STANDARD(S)	:	Please refer to the following page(s).
DATE OF ISSUE	:	May 26, 2022

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 antibacterial notebook lined
Model	:	MO6141
Country of Origin	:	CHINA
Country of Destination	:	EUROPE
Vendor code	:	106613
Sample Received Date	:	May 17, 2022
Testing Period	:	May 17, 2022 to May 26, 2022

Test Requested:	**Conclusion**
1. As specified by client, to determine the Phthalates content in the submitted sample(s) with reference to entry 51&52, Annex XVII of the REACH Regulation (EC) No 1907/2006.	**Pass**
2. As specified by client, to determine the Cadmium(Cd) content in the submitted sample(s) with reference to entry 23, Annex XVII of the REACH Regulation (EC) No 1907/2006.	**Pass**
3. As specified by client, to determine the Lead(Pb) content in the submitted sample(s) with reference to entry 63, Annex XVII of the REACH Regulation (EC) No 1907/2006.	**Pass**
4. As requested by client, to determine the Antibacterial activity of Escherichia coli , Staphylococcus aureus and Candida albicans for the submitted sample.	/

Approved by: Jessie.Liang

Liangdan, Jessie.Liang

Technical Director

Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	May 26, 2022	Valid	Initial release

Test Result(s):

1. Test Result of Phthalates Content

Test Item	Test Method/ Instrument	MDL	Limit
Diisobutyl phthalate(DIBP) (CAS No.: 84-69-5)	EN 14372:2004/ GC-MS	0.010%	Single<0.1% Sum<0.1%
Dibutyl phthalate (DBP) (CAS No.: 84-74-2)		0.010%	
Butylbenzyl phthalate (BBP) (CAS No.: 85-68-7)		0.010%	
Di-(2-ethylhexyl) Phthalate (DEHP) (CAS No.: 117-81-7)		0.010%	
Di-n-octyl phthalate (DNOP) (CAS No.: 117-84-0)		0.010%	Sum<0.1%
Di-isononyl phthalate (DINP) (CAS No.: 28553-12-0; 68515-48-0)		0.010%	
Di-isodecyl phthalate(DIDP) (CAS No.: 26761-40-0; 68515-49-1)		0.010%	

Test point	Test result (%)									Conclusion
	DIBP	DBP	BBP	DEHP	Sum(DIBP+DBP +BBP+DEHP)	DNOP	DINP	DIDP	Sum(DNOP+ DINP+DIDP)	
1-1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	**Conformity**

2. Test Result of Cadmium(Cd) Content

Test Item	Cadmium(Cd) (CAS No.: 7440-43-9)
Limit(mg/kg)	<100
MDL(mg/kg)	10
Test Method/ Instrument	IEC 62321-5:2013/ ICP-OES

Test point	Test result (mg/kg)	Conclusion
	Cadmium(Cd)	
1-1	N.D.	**Conformity**
1-2	N.D.	**Conformity**
1-3	N.D.	**Conformity**

3. Test Result of Lead(Pb) Content

Test Item	Lead(Pb) (CAS No.: 7439-92-1)
Limit(mg/kg)	<500
MDL(mg/kg)	10
Test Method/ Instrument	IEC 62321-5:2013/ ICP-OES

Test point	**Test result (mg/kg)**	**Conclusion**
	Lead(Pb)	
1-1	N.D.	**Conformity**
1-2	N.D.	**Conformity**
1-3	N.D.	**Conformity**
1-4	N.D.	**Conformity**

4. Test Result of Antibacterial activity of Escherichia coli , Staphylococcus aureus and Candida albicans

Test Method: ISO 22196:2011.

Test instrument: Biochemical incubator.

	Test strains		
	1-1		
	Escherichia coli ATCC 8739	Staphylococcus aureus ATCC 6538P	Candida albicans ATCC 10231
Liquid inoculant concentration (each/mL)	7.4×10^5	6.8×10^5	6.3×10^5
Liquid inoculant amount (mL)	0.4	0.4	0.4
Untreated sample piece 0 h after inoculation on the number of living bacterium	2.1×10^4	2.3×10^4	2.0×10^4
Untreated sample piece cultivate 24 h after inoculation on the number of living bacterium	6.3×10^5	5.8×10^5	5.5×10^5
Antibacterial sample piece cultivate 24 h after inoculation on the number of living bacterium	4.5×10^2	3.9×10^2	4.3×10^2
Antibacterial activity value	3.15	3.17	3.11
Antibacterial rate (%)	>99.9	>99.9	>99.9

Note:

mg/kg = milligram per kilogram N.D.=Not Detected (less than method detection limit)

MDL = Method Detection Limit %= percentage

Remark:

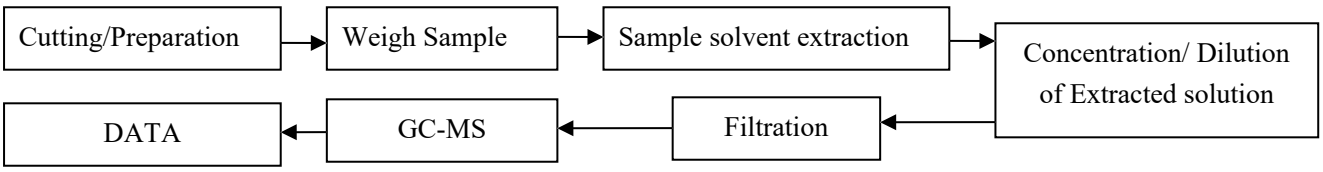
- As specified by client, only test the designated sample.

Test Point Description

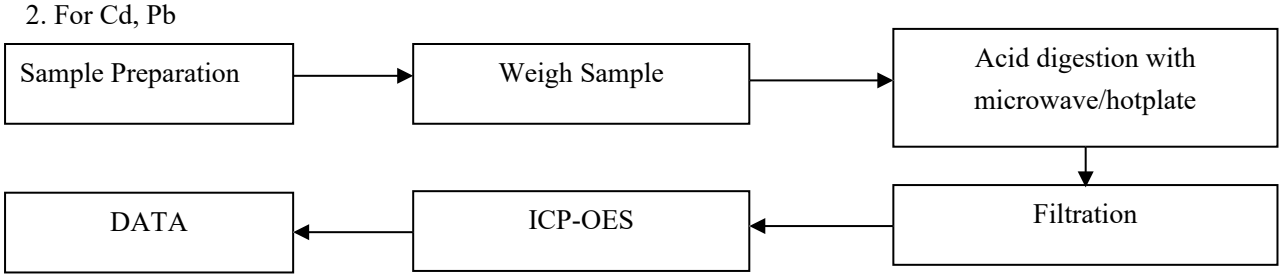
Test point	Test point description
1-1	White antibacterial cover
1-2	White elastic band
1-3	White rope
1-4	Inner sheet paper

Test Flow Chart

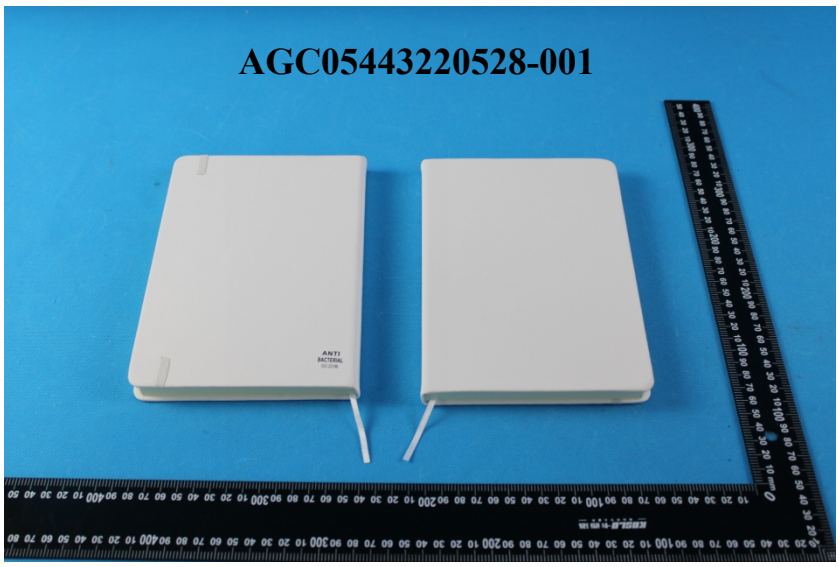
1. For Phthalates



2. For Cd, Pb



The photo of the sample



AGC authenticate the photo only on original report

*** End of Report ***

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”).
2. Any report issued by Company as a result of this application for testing services (the “Report”) shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
3.The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
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.