

## Test Report

Report No. : AGC03778201201-001

**SAMPLE NAME** : Blue light blocker glasses with pouch

**MODEL NAME** : MO6230

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

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

**DATE OF  
ISSUE** : Dec.29, 2020

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



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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 : Blue light blocker glasses with pouch  
Model : MO6230  
Vendor Code : 101191  
Sample Received Date : Dec.17, 2020  
Testing Period : Dec.17, 2020 to Dec.29, 2020

Approved by: 

Liangdan, Jessie.Liang

Technical Director

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**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.         | <b>Pass</b> |
| 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.           | <b>Pass</b> |
| 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.              | <b>Pass</b> |
| 4. EN ISO 12312-1:2013+A1:2015, Eye and face protection— Sunglasses and related Eyewear — Part 1: Sunglasses for general use,only test:<br>Clause 5.3.5.1.2 - Blue-light transmittance | <b>Pass</b> |

**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%	

No.	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
1-2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Conformity

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## 2. Test Result of Cadmium(Cd) Content

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

No.	Test result (mg/kg)	Conclusion
	Cadmium(Cd)	
1-1	N.D.	Conformity
1-2	N.D.	Conformity
1-3	N.D.	Conformity
1-4	N.D.	Conformity
1-5	N.D.	Conformity

## 3. Test Result of Lead(Pb) Content

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

No.	Test result (mg/kg)	Conclusion
	Lead(Pb)	
1-1	N.D.	Conformity
1-2	N.D.	Conformity
1-3	21	Conformity
1-4	N.D.	Conformity
1-5	N.D.	Conformity

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#### 4.EN ISO 12312-1:2013+A1:2015

#### Blue-light absorption/transmittance —Clause 5.3.5.1.2

Sample No.	Test Position	Blue-light transmittance, $\tau_{sb}$ (380~500nm) (%)		Result
		Claimed value, x	Measured	
1	Left	85%	84.3	Pass
	Right		83.8	Pass
Requirements: If it is claimed that a filter has less than $x$ % blue-light transmittance or UV transmittance, the solar blue-light transmittance or UV transmittance shall not exceed $(x + 0.5)$ %.				

#### Note:

mg/kg = milligram per kilogram

N.D.=Not Detected (less than method detection limit)

MDL = Method Detection Limit

%= percentage

#### Remark:

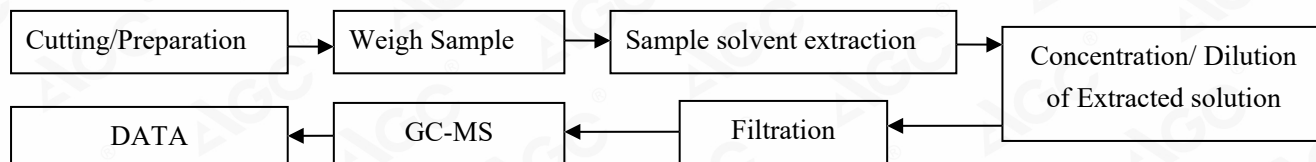
- As specified by client, only test the designated sample.

#### Sample Description:

1-1	Transparent lens AC
1-2	Black plastic PC
1-3	Frame metal decoration
1-4	Black cloth bag
1-5	Black rope

### Test Flow Chart

#### 1. For Phthalates



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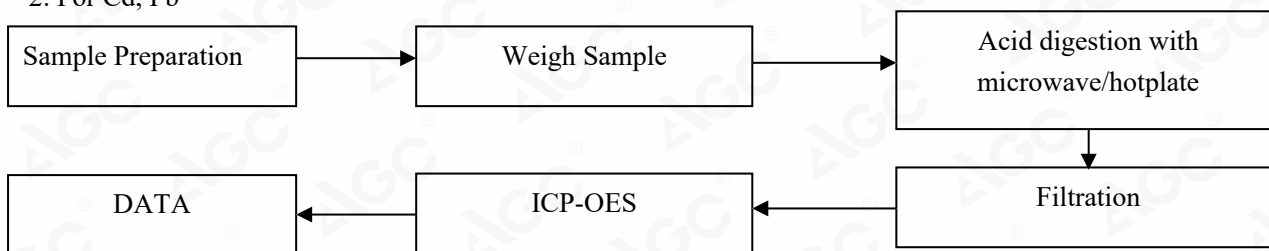
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2. For Cd, Pb



**The photo of the sample**



**AGC03778201201-001**

AGC authenticate the photo only on original report

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

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## 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. The non-CMA report issued by AGC is only permitted to be used by the client as internal reference use and shall not be used for public demonstration purpose.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.

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