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# Test Report

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Report No. : AGC05443230810-001

**SAMPLE NAME** : Jacquard crew socks,  
Jacquard ankle socks,  
Jacquard no-show socks

**MODEL NAME** : MWCS21,  
MWCS22,  
MWCS23

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

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

**DATE OF ISSUE** : Aug. 16, 2023

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



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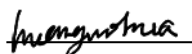
Applicant : MID OCEAN BRANDS B.V  
Address : 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.  
Test Site : 6/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

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

Sample Name : Jacquard crew socks,  
Jacquard ankle socks,  
Jacquard no-show socks  
Model : MWCS21,  
MWCS22,  
MWCS23  
Vendor code : 118615  
Sample Received Date : Aug. 11, 2023  
Testing Period : Aug. 11, 2023 to Aug. 15, 2023  
Test Requested : Selected test(s) as requested by client.

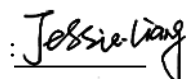
**Test Requested:****Conclusion**

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 63 - Lead(Pb) Content	Pass
Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 43 - Aromatic Amines Azodyes (AZO) Content	Pass
- Color fastness to rubbing	Pass

Approved by: 

Huangguohua

Vice Laboratory Manager

Approved by: 

Liangdan, Jessie.Liang

Technical Director

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## Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	Aug. 16, 2023	Valid	Initial release

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The photo of the sample



Test Sample



The photo of AGC05443230810-001 is for use only with the original report.

Test Point Description

Test point	Test point description
1-1	Socks

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**Test Results:**

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	Limit	MDL	Test Result(s)
				1-1
Lead(Pb)	mg/kg	500	10	N.D.
Conclusion				Conformity

**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)
				1-1
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'-Dimethylbenzidine 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.

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Test Item(s)	Unit	Limit	MDL	Test Result(s)
				1-1
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-Toluyldiamine 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.
Conclusion				Conformity

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.

**- Color 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, 63 %R.H., 4 hrs

**The long direction of the specimen:** Endwise / Crossrange

**The percentage of soak of wet rubbing cloth:** 95%~100%

Test point	Test Result		Conclusion
	Colour fastness to rubbing / (Grade)		
	Dry rubbing	Wet rubbing	
1	4-5	4-5	Conformity
<b>Limit (Client's Requirement)</b>	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.

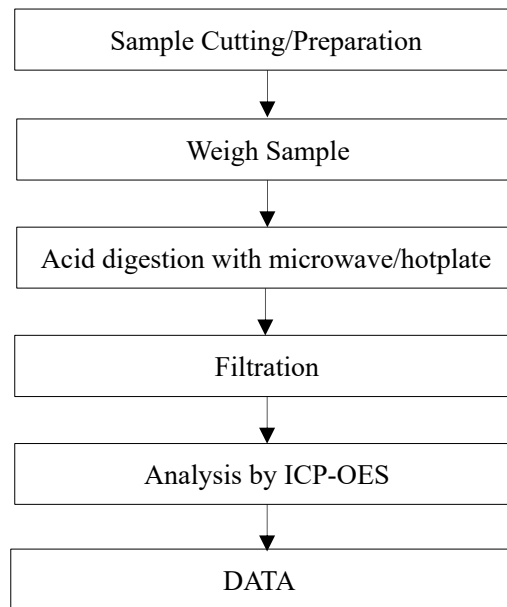
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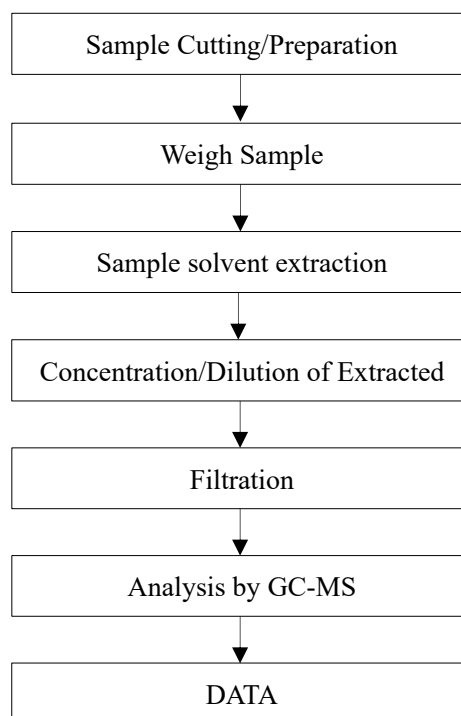
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### Test Flow Chart of Heavy Metal Content



### Test Flow Chart of AZO



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

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