



TEST REPORT

Report No. : WTF25F12336629C
Job No. : FSW2512160822CJ
Applicant : Mid Ocean Brands B.V.
Address : Unit 711-716, 7/F., Tower A, 83 King Lam Street, Cheung Sha
Wan, Kowloon, Hong Kong.
Manufacturer : 119881
Sample Name : Arm sleeves and multiscarf
Sample Model : MASS01, ML3003, ML3006, ML3103
Test Requested : Refer to next page (s)
Test Method : Refer to next page (s)
Test Conclusion : **Pass** (please refer to next pages for details)
Date of Receipt Sample : 2025-12-16
Testing Period : 2025-12-16 to 2025-12-22
Date of Issue : 2025-12-23
Test Result : Refer to next page (s)
Note : As specified by client, only test the designated sample.

Prepared By:

Waltek Testing Group (Foshan) Co., Ltd.

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Signed for and on behalf of
Waltek Testing Group (Foshan) Co., Ltd.



Swing Liang
Waltek Testing Group (Foshan) Co., Ltd.
<http://www.waltek.com.cn>



WTF25F12336629C



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Summary

Item No.	Test Requested	Test Conclusion
1	Determination of Lead content in the submitted sample in accordance with REACH regulation Annex XVII Entries 63 (EC) No. 1907/2006 and the amendment No. 836/2012 and (EU) 2015/628	Pass
2	Determine the specified AZO Colorants contents in the submitted sample in according to the Entries 43 in Annex XVII of the REACH Regulation (EC) No.1907/2006 and the Amendment Regulation (EC) No.552/ 2009 & No.126/ 2013 (previously restricted under Directive 2002/61/EC).	Pass
3	As requested by the applicant, to test Colour Fastness to Rubbing in the submitted sample.	Pass

Sample photo:



MASS01

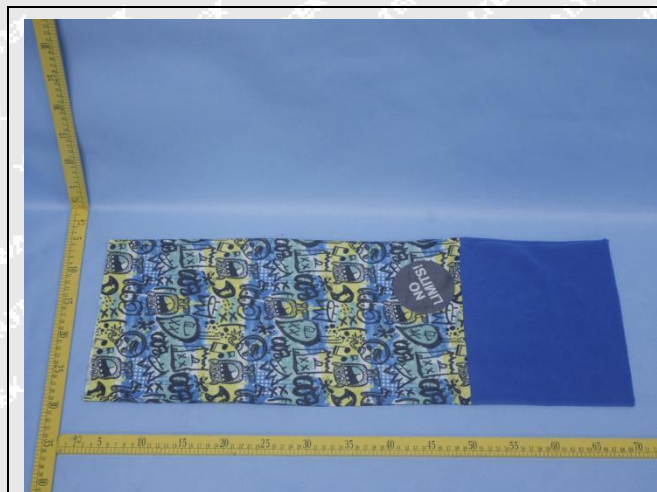


ML3003

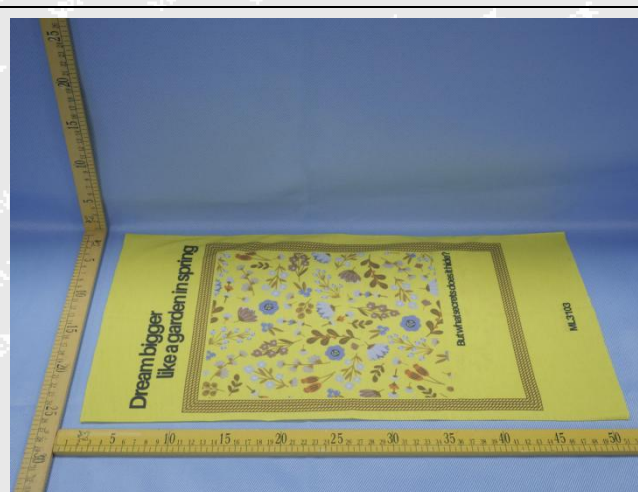


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ML3006



ML3103

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Test Results:

1) Lead (Pb)

Test Method: With reference to IEC 62321-5:2013, the analysis was performed by ICP-OES.

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.1+No.2+No.3	No.4+No.5	
Lead(Pb)	2	ND*	ND*	500
Conclusion	--	Pass	Pass	--

Note:

(1) mg/kg = milligram per kilogram

(2) ND = Not Detected (lower than LOQ)

(3) LOQ = Limit of quantitation

(4) Limit of Lead was quoted from REACH regulation Annex XVII Item 63 (EC) No. 1907/2006 and the amendment No. 836/2012 and (EU) 2015/628.

(5) "*" = As per applicant's requirement, the testing was conducted based on mixed components by weight in equal ratio, results are calculated by the minimum weight of mixed components.

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2) AZO

Test Method: With reference to BS EN ISO 14362-1: 2017 and BS EN ISO 14362-3: 2017, analysis was performed by Gas Chromatographic Mass Spectrometry (GC-MS)

No.	Amines Substances	CAS No.	Limit (mg/kg)	Result (mg/kg)
				No.1+No.2+No.3
1	4-Aminobiphenyl	92-67-1	30	ND*
2	Benzidine	92-87-5	30	ND*
3	4-chloro-o-Toluidine	95-69-2	30	ND*
4	2-Naphthylamine	91-59-8	30	ND*
5	o-Aminoazotoluene	97-56-3	30	ND*
6	2-Amino-4-nitrotoluene	99-55-8	30	ND*
7	p-Chloroaniline	106-47-8	30	ND*
8	2,4-diaminoanisol	615-05-4	30	ND*
9	4,4'-Diaminodiphenylmethane	101-77-9	30	ND*
10	3,3'-Dichlorobenzidine	91-94-1	30	ND*
11	3,3'-Dimethoxybenzidine	119-90-4	30	ND*
12	3,3'-Dimethylbenzidine	119-93-7	30	ND*
13	3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	30	ND*
14	p-cresinin	120-71-8	30	ND*
15	4,4'-Methylen-bis-(2-chloroaniline)	101-14-4	30	ND*
16	4,4'-Oxydianiline	101-80-4	30	ND*
17	4,4'-Thiodianiline	139-65-1	30	ND*
18	o-Toluidine	95-53-4	30	ND*
19	2,4-Toluylendiamine	95-80-7	30	ND*
20	2,4,5 – Trimethylaniline	137-17-7	30	ND*
21	o-anisidine	90-04-0	30	ND*
22	4-aminoazobenzene	60-09-3	30	ND*
23	2,4-Xylidin	95-68-1	30	ND*
24	2,6-Xylidin	87-62-7	30	ND*
--	Conclusion	--	--	Pass



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No.	Amines Substances	CAS No.	Limit (mg/kg)	Result (mg/kg)
				No.4+No.5
1	4-Aminobiphenyl	92-67-1	30	ND*
2	Benzidine	92-87-5	30	ND*
3	4-chloro-o-Toluidine	95-69-2	30	ND*
4	2-Naphthylamine	91-59-8	30	ND*
5	o-Aminoazotoluene	97-56-3	30	ND*
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7	p-Chloroaniline	106-47-8	30	ND*
8	2,4-diaminoanisol	615-05-4	30	ND*
9	4,4'-Diaminodiphenylmethane	101-77-9	30	ND*
10	3,3'-Dichlorobenzidine	91-94-1	30	ND*
11	3,3'-Dimethoxybenzidine	119-90-4	30	ND*
12	3,3'-Dimethylbenzidine	119-93-7	30	ND*
13	3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	30	ND*
14	p-cresinin	120-71-8	30	ND*
15	4,4'-Methylen-bis-(2-chloroaniline)	101-14-4	30	ND*
16	4,4'-Oxydianiline	101-80-4	30	ND*
17	4,4'-Thiodianiline	139-65-1	30	ND*
18	o-Toluidine	95-53-4	30	ND*
19	2,4-Toluyldiamine	95-80-7	30	ND*
20	2,4,5 – Trimethylaniline	137-17-7	30	ND*
21	o-anisidine	90-04-0	30	ND*
22	4-aminoazobenzene	60-09-3	30	ND*
23	2,4-Xylidin	95-68-1	30	ND*
24	2,6-Xylidin	87-62-7	30	ND*
--	Conclusion	--	--	Pass



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Note:

- ND = Not Detected or lower than limit of quantitation
- mg/kg=Milligram per kilogram
- Limit of quantitation (mg/kg): Each 5mg/kg
- The CAS-numbers 97-56-3 and 99-55-8 are further reduced to CAS-numbers 95-53-4 and 95-80-7.
- AZO colorants that are able to form 4-aminoazobenzene, generate under the condition of this method aniline and 1,4-phenylenediamine. The presence of these colorants cannot be reliably ascertained without additional information, e.g. the chemical structure of the colorant used.
- “*” = As per applicant's requirement, the testing was conducted based on mixed components by weight in equal ratio, results are calculated by the minimum weight of mixed components.

3) Colour Fastness to Rubbing

Colour Fastness to Rubbing					
(ISO 105-X12: 2016; Size of rubbing finger: 16mm diameter.)					
		No.1	No.2	No.3	Client's Limit
Length	Dry staining	4-5	4-5	4-5	2-3
	Wet staining	4-5	4-5	4-5	2-3
Width	Dry staining	4-5	4-5	4-5	2-3
	Wet staining	4-5	4-5	4-5	2-3
Conclusion		Pass	Pass	Pass	--

Colour Fastness to Rubbing				
(ISO 105-X12: 2016; Size of rubbing finger: 16mm diameter.)				
		No.4	No.5	Client's Limit
Length	Dry staining	4-5	4-5	2-3
	Wet staining	4-5	4-5	2-3
Width	Dry staining	4-5	4-5	2-3
	Wet staining	4-5	4-5	2-3
Conclusion		Pass	Pass	--

Note:

(1) Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.



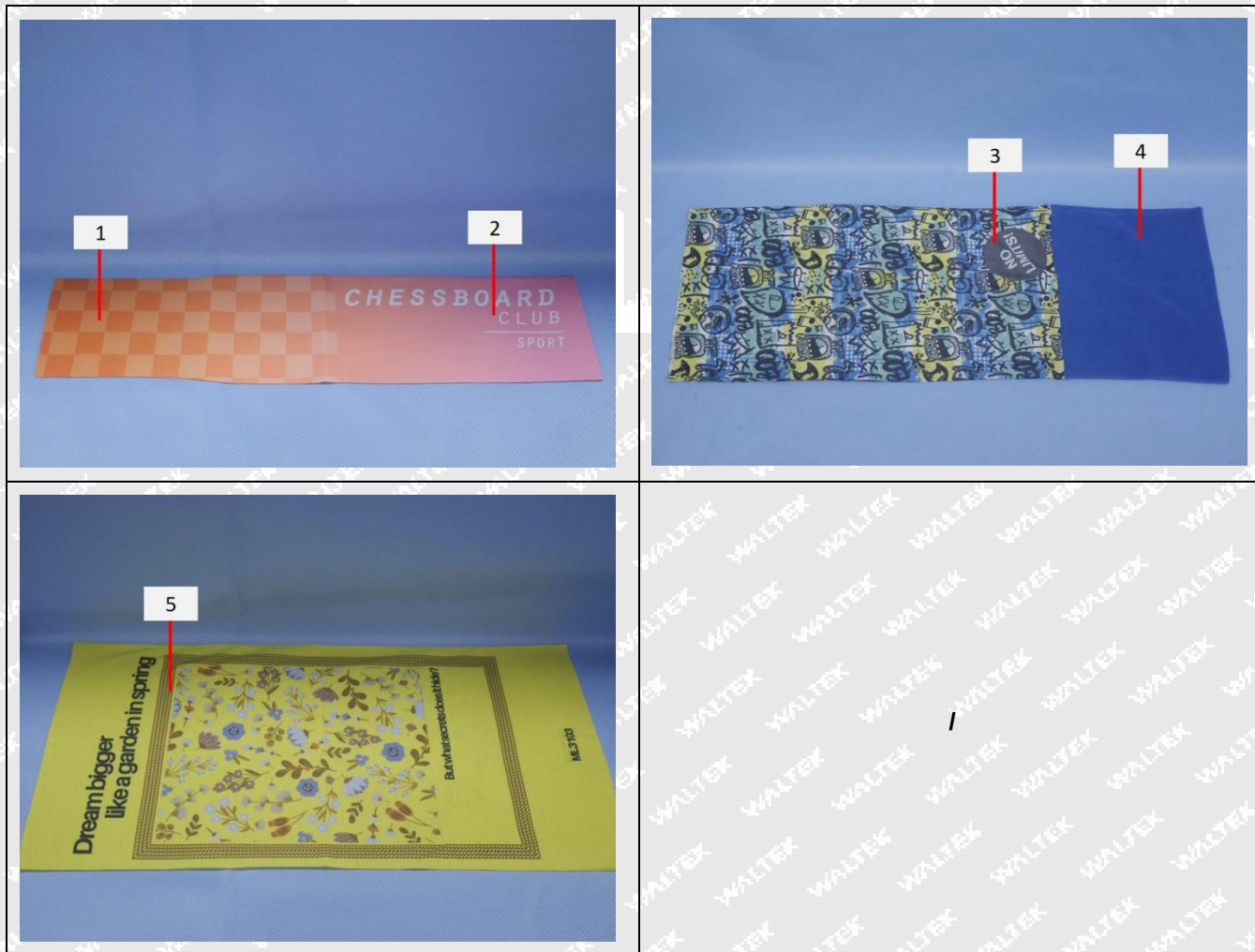
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Description for Specimen:

Specimen ID	Specimen No.	Specimen Description
FSW2512160822CJ. 1	1	Orange main fabric
FSW2512160822CJ. 2	2	Multicolour main fabric
FSW2512160822CJ. 3	3	Multicolour main fabric
FSW2512160822CJ. 4	4	Blue main fabric
FSW2512160822CJ. 5	5	Multicolour main fabric

Photograph of parts tested:





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Remarks:

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2. This test report cannot be reproduced, except in full, without prior written permission of the company;
3. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver;
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6. The sample material information (Model No. information) is provided by client, not verified by test laboratory. The samples of reference Model No. are not tested. Test laboratory not responsible for the accuracy, appropriateness, completeness and authenticity of the information provided by client.

===== End of Report =====

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Test Report

Applicant : MID OCEAN BRANDS B.V.
UNIT 711-716 7/F TOWER A
83 KING LAM STREET
CHEUNG SHA WAN KOWLOON
HONG KONG

**This is to supersede Report No.
HKGT05583285 dated Dec 12, 2025**
Issue Date : Dec 15, 2025

Attn : SOPHIE WONG

SAMPLE DESCRIPTION AS DECLARED

No. of Sample	One
Fibre Content	-
Material	Multiscarf
Finishing	-
End Uses	-
Colour	White with Printed (Untreated) / White (Treated)
Style No.	ML3003
Order No./PO No.	-
Standard	-
Buyer's Name	-
Manufacture's Name	119881
Ref.	-
Date Received/ Date Test Started	Nov 27, 2025

Conclusions

Test Item

Determination Of Antibacterial Activity Of Textile
Products:

#

Note:

Tests presented in this report are conducted as requested by Applicant.

P = Pass F = Fail # = No Comment C = Conform Label

N/A = Not Applicable - = Did Not Perform * = See Remark

Approved By:

Intertek Testing Services Hong Kong Limited



Amy Wong

Assistant General Manager

Prepared By: Nico Chow

Intertek Testing Services Hong Kong Limited

2/F Garment Centre, 576 Castle Peak Road
Kowloon, Hong Kong

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1 Determination Of Antibacterial Activity Of Textile Products:

With Reference To International Standard ISO 20743:2021 (Absorption Method).

Measuring Method: Plate count Method
Sterilization Method: Autoclave At 121°C For 15 mins
Neutralizing Solution: Lethen Broth
Shaking method: By Vortex mixer
Medium used: Trypticase Soy Agar
Incubation Temperature : 37°C
Contact Period: 24 hours
Test Culture: *Staphylococcus Aureus* (ATCC 6538) <Concentration Of Inoculum: 1.1×10^5 CFU/mL>
Klebsiella Pneumoniae (ATCC 4352) <Concentration Of Inoculum: 2.3×10^5 CFU/mL>
Test Specimen: 0.4 g Of Submitted Sample

Result:

Sample As Received

Name of test bacteria (strain number)	<i>Staphylococcus aureus</i> (ATCC 6538)	<i>Klebsiella pneumoniae</i> (ATCC 4352)
Concentration of inoculum (CFU/mL)	1.1×10^5	2.3×10^5
Average for the number of bacteria, obtained from test samples of control fabric immediately after inoculation (C_0)	2.1×10^4 CFU	2.6×10^4 CFU
Average for the number of bacteria, obtained from test samples of control fabric after 18-24 hours incubation (C_t)	6.3×10^5 CFU	3.5×10^5 CFU
Growth value of F ($F = \log C_t - \log C_0$) Criteria: $F \geq 1.0$	1.5	1.1
Average for the number of bacteria, obtained from antibacterial-treated test samples immediately after inoculation (T_0)	1.8×10^4 CFU	3.2×10^4 CFU
Average for the number of bacteria, obtained from antibacterial-treated test samples after 18-24 hours incubation (T_t)	1.0×10^3 CFU	<20 CFU
Growth value of G ($G = \log T_t - \log T_0$)	-1.3	-3.2
Antibacterial activity value ($A = F - G$)	2.8	4.3
Percent reduction of Bacterial	99.8%	99.99%

Reference rating:

Efficacy of antibacterial property	Antibacterial value, A
Low	$A < 2$
Significant	$2 \leq A < 3$
Strong	$A \geq 3$

Sample Received Condition: Sample in closed plastic bag.

End of Report

When a statement of conformity to a specification or standard is provided on test report, the decision rule shall be applied. For details, please refer to the latest version of Intertek's "Decision Rule Information" and is available on Intertek's website. <https://intertekhk.qrd.by/decision-rules-info>. If decision rule already inhered in the requested specification or standard, Intertek's "Decision Rule Information" is not applicable.

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The observations and test results in this report are relevant to the sample(s) tested and submitted by client. The report is not intended to be a recommendation for any particular course of action, you are responsible for acting as you see fit on the basis of the report results. This report does not discharge or release you from your legal obligations and duties to any other person. Only the Client is authorized to permit copying or distribution of this report and the report shall not be reproduced except in full. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

To: MID OCEAN BRANDS B.V.
Attention: SOPHIE WONG
Date: Dec 15, 2025

Re: Report Revision Notification

Labtest Report Number: HKGT05583285 Date: Dec 12, 2025

Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now superseded by a revised Labtest Report, Number HKGT05583285-S1, issued on Dec 15, 2025.

Changes to Report	Amend photo and sample description
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Thank you for your attention