



# 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*



WTF25F12336629C

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



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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

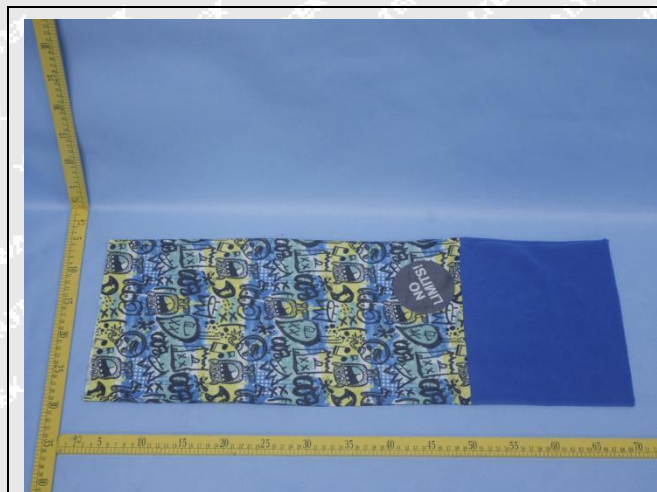


ML3003

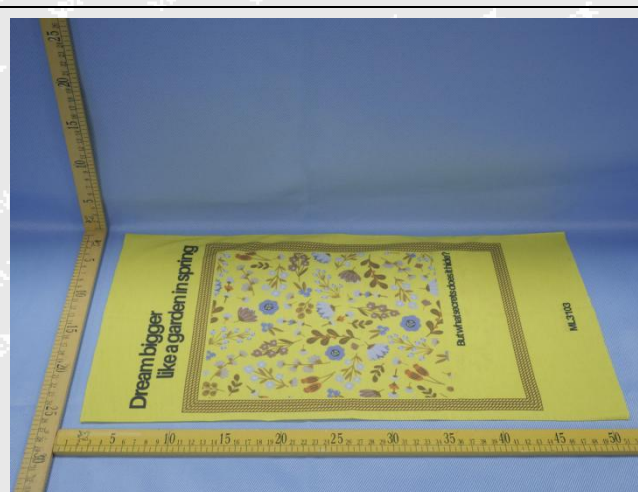


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ML3006



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<br>(mg/kg) | Results (mg/kg) |           | Limit<br>(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<br>(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*            |
| 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-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.



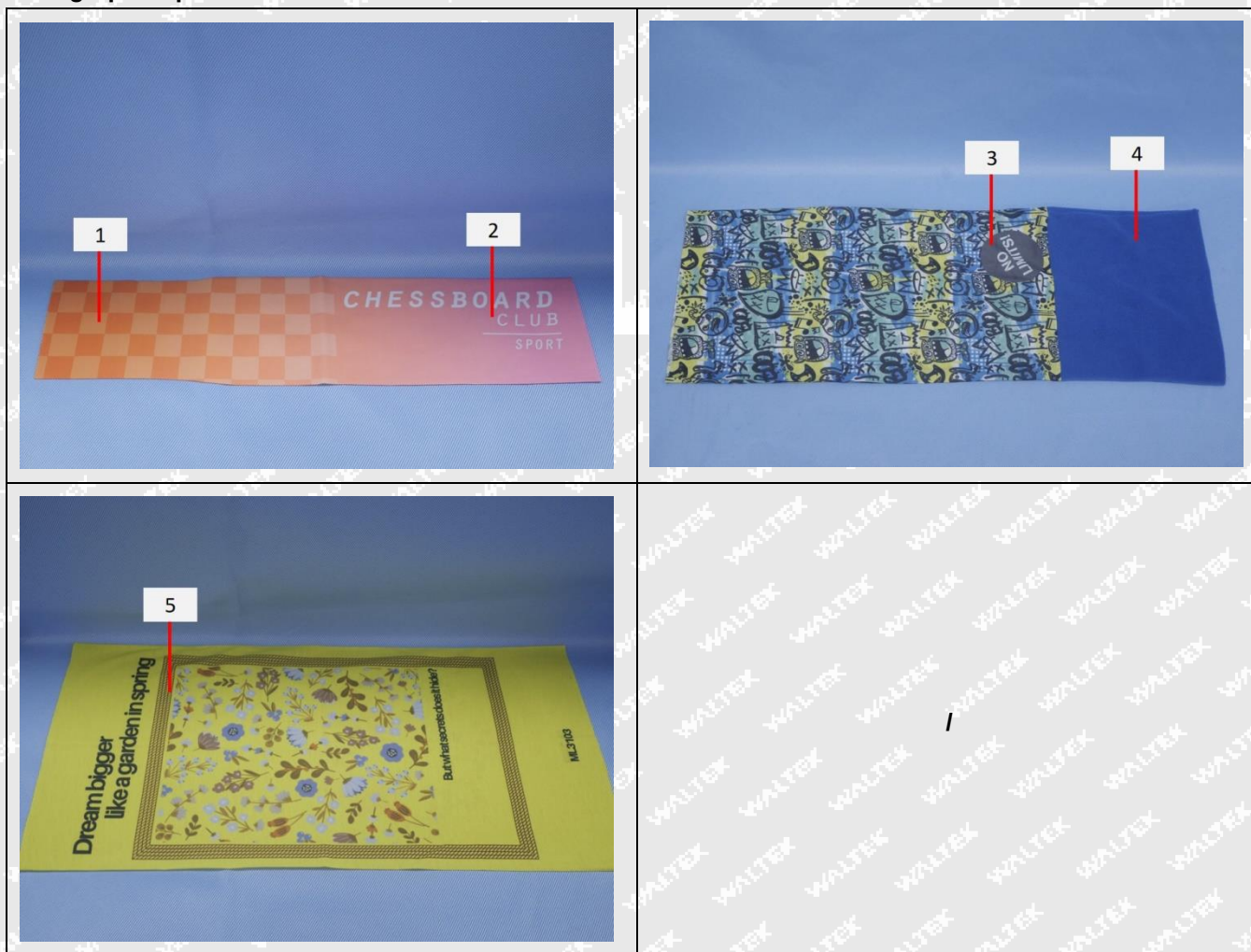
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**Description for Specimen:**

| 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:

1. The results shown in this test report refer only to the sample(s) tested;
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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