



# TEST REPORT

Report No. .... : WTF25F03077103C  
Job No. .... : FSW2503311472CJ  
Applicant ..... : Mid Ocean Brands B.V.  
Address ..... : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan,  
Kowloon, Hong Kong  
Manufacturer ..... : 111587  
Sample Name ..... : RPET non-woven drawcord bag, RPET non-woven gift bag  
Sample Model ..... : MO2617, MO2698  
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 ..... : 2025-03-31  
Testing period ..... : 2025-03-31 to 2025-04-07  
Date of Issue ..... : 2025-04-07  
Test Result ..... : Refer to next page (s)

## Prepared By:

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

*Swing Liang*

Swing.Liang



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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            |

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Sample photo:



MO2617



MO2617



MO2617



MO2698



MO2698



MO2698



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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.6+No.7 |                  |
| Lead(Pb)   | 2              | ND*             | ND*            | 500              |
| Conclusion | --             | Pass            | Pass           | --               |

| Test Item  | LOQ<br>(mg/kg) | Results (mg/kg) |           | Limit<br>(mg/kg) |
|------------|----------------|-----------------|-----------|------------------|
|            |                | No.5+No.10      | No.8+No.9 |                  |
| 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) "\*" = 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-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*            |
| --  | <b>Conclusion</b>                         | --       | --            | <b>Pass</b>    |



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| No. | Amines Substances                         | CAS No.  | Limit (mg/kg) | Result (mg/kg) |
|-----|-------------------------------------------|----------|---------------|----------------|
|     |                                           |          |               | No.4+No.6+No.7 |
| 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.8+No.9      |
| 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           |

**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.
- “\*” = Results are calculated by the minimum weight of mixed components.



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**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 | No.4 | Client's Limit |
| Length                                                      | Dry staining | 4    | 4-5  | 4-5  | 4    | 2-3            |
|                                                             | Wet staining | 4-5  | 4-5  | 4-5  | 4    | 2-3            |
| Width                                                       | Dry staining | --   | --   | --   | --   | 2-3            |
|                                                             | Wet staining | --   | --   | --   | --   | 2-3            |
| Conclusion                                                  |              | Pass | Pass | Pass | Pass | --             |

| Colour Fastness to Rubbing                                  |              |      |      |      |      |                |
|-------------------------------------------------------------|--------------|------|------|------|------|----------------|
| (ISO 105-X12: 2016; Size of rubbing finger: 16mm diameter.) |              |      |      |      |      |                |
|                                                             |              | No.6 | No.7 | No.8 | No.9 | Client's Limit |
| Length                                                      | Dry staining | 4-5  | 4-5  | 4-5  | 4-5  | 2-3            |
|                                                             | Wet staining | 4-5  | 4-5  | 4-5  | 4-5  | 2-3            |
| Width                                                       | Dry staining | 4-5  | 4-5  | 4-5  | 4-5  | 2-3            |
|                                                             | Wet staining | 4-5  | 4-5  | 4-5  | 4-5  | 2-3            |
| Conclusion                                                  |              | Pass | Pass | 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.

**Description for Specimen:**

| Specimen No. | Specimen Description |
|--------------|----------------------|
| 1            | Black drawstring     |
| 2            | Blue drawstring      |
| 3            | Brown drawstring     |
| 4            | Red drawstring       |
| 5            | White drawstring     |
| 6            | Black main fabric    |
| 7            | Blue main fabric     |
| 8            | Brown main fabric    |
| 9            | Red main fabric      |
| 10           | White main fabric    |



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**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;
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===== End of Report =====

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