



TEST REPORT

Report No. : WTF24F01010835C
Applicant : Mid Ocean Brands B.V.
Address : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan,
Kowloon, Hong Kong
Manufacturer : 112451
Sample Name : Paper straw bucket hat
Sample Model : MO2267
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 : 2024-01-15
Testing period : 2024-01-15 to 2024-01-20
Date of Issue : 2024-01-22
Test Result : Refer to next page (s)
Note : As specified by client, only test the designated sample.

Prepared By:

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

Swing Liang

Swing.Liang



WTF24F01010835C



Report No.: WTF24F01010835C

Job No.: FSWT240102071C

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:





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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* | ND* | 500 |
| Conclusion | -- | Pass | 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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Report No.: WTF24F01010835C

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

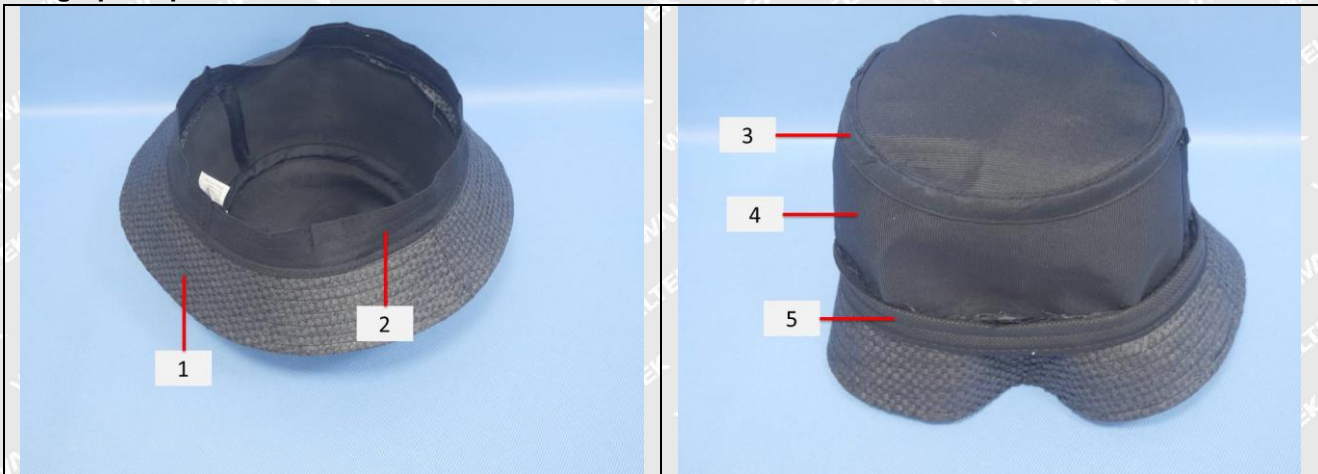
Note:

(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 paper sheet |
| 2 | Black fabric rim |
| 3 | Black fabric rim |
| 4 | Black main fabric |
| 5 | Black fabric rim |

Photograph of parts tested:





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Remarks:

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

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