

## TEST REPORT

Applicant: MID OCEAN BRANDS B.V.  
WELLENSIEKSTRAAT 2,  
6718 XZ, EDE,  
THE NETHERLANDS

Number: HKGH03222672

Date: Feb 26, 2025

Attn: DEREK HUI

Sample and Information provided by customer :  
Item Name : **Deck chairs**  
Item No. : **MCHA03**  
Quantity : 2 pieces  
Vendor : 118307  
Country of Origin : Poland

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For and on behalf of :  
Intertek Testing Services HK Ltd.

 

Dorothy M.Y. Lau  
Vice President



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Number : HKGH03222672

**Conclusion:**

The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details :

| <u>Requirement</u>                                                                                                                                                                                                   | <u>Result</u> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| (1) BS EN 581-1:2017<br>- Outdoor furniture – Seating and table for camping, domestic and contract use – Part 1<br>General requirements<br>(Test level : Camping use)                                                | Pass          |
| (2) BS EN 581-2:2015/AC:2016<br>Outdoor furniture – Seating and tables for camping, domestic and contract use – Part 2:<br>Mechanical safety requirements and test methods for seating<br>(Test level : Camping use) | Pass          |

**Decision Rule(s):**

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 Intertek's "Decision Rule Document" and is available on Intertek's website. <https://intertekhk.qrd.by/decision-rule-doc..>

If decision rule already inhered in the requested specification or standard, Intertek's "Decision Rule Document" is not applicable and indication of "∞" was shown as above table.



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(1) General Safety Requirements for Outdoor Furniture

Test Standard : BS EN 581-1 : 2017, Outdoors furniture - Seating and tables for camping, domestic and contract use - Part 1 General safety requirements.

Number of samples tested : One (1) piece.

Testing level : Camping use.

Initial inspection: No visible damage was found.

| Clause | Requirement                                                        | Assessment |
|--------|--------------------------------------------------------------------|------------|
| 5.1    | General                                                            | P          |
| 5.2    | Tubular components                                                 | NA         |
| 5.3    | Shear and squeeze points                                           |            |
| 5.3.1  | Shear and squeeze points when erecting, adjusting and folding away | P          |
| 5.3.2  | Shear and squeeze points under the influence of power mechanisms   | NA         |
| 5.3.3  | Shear and squeeze points during use                                | P          |

Abbreviation : P = Pass; **F = Fail**; NA = Not Applicable; NT = Not Tested

Date sample received : Feb 07, 2025

Testing period : Feb 07, 2025 to Feb 21, 2025



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(2) Mechanical Safety Requirements for Outdoor Seating Furniture

Test standard : BS EN 581-2:2015/AC:2016 – Outdoor furniture – Seating and tables for camping, domestic and contract use – Part 2: Mechanical safety requirements and test methods for seating.

Number of samples tested : One (1) piece.

Testing parameter : Camping use.

Initial inspection: No visible defects was found.

Per Clause 6.1 / 7.1 in the standard, the general safety requirements shall be fulfilled in accordance with the following table:

| Clause per EN 581-1 | Requirements                                                       | Assessment |
|---------------------|--------------------------------------------------------------------|------------|
| 5.1                 | Generals                                                           | P          |
| 5.2                 | Tubular components                                                 | NA         |
| 5.3                 | Shear and squeeze points                                           | P          |
| 5.3.1               | Shear and squeeze points when erecting, adjusting and folding away | P          |
| 5.3.2               | Shear and squeeze points under the influence of powered mechanisms | NA         |
| 5.3.3               | Shear and squeeze points during use                                | P          |

Abbreviation : P = Pass; **F** = Fail; NA= Not Applicable; NT = Not Tested

Per Clause 7.2.1 in the standard, the requirements shall be fulfilled during and after testing in accordance with the following table:

| Standard / Clause                                                                                                                                        | Tests                                                      | Assessment |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------------|
| EN 1728:2012, 6.4                                                                                                                                        | Seat static load and back static load test                 | P          |
| EN 1728:2012, 6.5                                                                                                                                        | Seat front edge static load                                | P          |
| EN 1728:2012, 6.17                                                                                                                                       | Combined Seat and back durability test                     | P          |
| EN 1728:2012, 6.19                                                                                                                                       | Durability test on seating with a multi-position back rest | NA         |
| EN 1728:2012, 6.11                                                                                                                                       | Arm rest static load test                                  | NA         |
| EN 1728:2012, 6.20                                                                                                                                       | Arm rest durability test                                   | NA         |
| EN 1728:2012, 6.15                                                                                                                                       | Leg forward static load test                               | P          |
| EN 1728:2012, 6.16                                                                                                                                       | Leg sideways static load test                              | P          |
| EN 1728:2012, 6.24 (Note 1)                                                                                                                              | Seat impact test                                           | P          |
| EN 1728:2012, 6.8 (Note 2)                                                                                                                               | Foot rest static test                                      | NA         |
| EN 1022 (Note 3 & 4)                                                                                                                                     | Forward stability                                          | P          |
| EN 1022 (Note 4)                                                                                                                                         | Rearward stability                                         | NA         |
| EN 1022 (Note 3 & 4)                                                                                                                                     | Sideways stability                                         | P          |
| Clause 8                                                                                                                                                 | Instruction for use                                        | P          |
| Note (1): The application point shall be at least 100 mm from the front edge. This test shall not be carried out on seating with a seat height > 600 mm. |                                                            |            |



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Note (2): This test is carried out only on seating with a seat height > 700 mm.

Note (3): This test is not applicable for seating with a seat height < 200 mm and a mass < 5 kg. The height shall be determined by measuring from the floor to the upper seating area on the geometrical centre of the unloaded seat.

Note (4): In the case of seating which might not fulfill the stability requirements before carrying out any tests, the applicable stability tests may be carried out before starting the sequence of tests specified in this table.

Abbreviation : P = Pass; **F** = **Fail**; NA= Not Applicable; NT = Not Tested

Date sample received : Feb 07, 2025

Testing period : Feb 07, 2025 to Feb 21, 2025



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End of report

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## TEST REPORT

Applicant: MID OCEAN BRANDS B.V.  
WELLENSIEKSTRAAT 2,  
6718 XZ, EDE,  
THE NETHERLANDS

Number: HKGH03222691 S1

Date: Mar 06, 2025

Attn: DEREK HUI

Sample and Information provided by customer :

Item Name : **Deck chairs**  
Item No. : **YC6503, MCHA01, MCHA02, MCHA03, MO6503**  
Quantity : **2 pieces per styles**  
Vendor : **118307**  
Country of Origin : **Poland**  
Date sample received : **Feb 06, 2025**  
Testing period : **Feb 06, 2025 to Feb 13, 2025**

\*\*\*\*\*

For and on behalf of :  
Intertek Testing Services HK Ltd.



Dorothy M.Y. Lau  
Vice President



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**Conclusion:**

The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details :

| <u>Requirement</u>                                                                                                                                                                   | <u>Result</u> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| (1) REACH Regulation (EC) No.1907/2006 , Annex XVII Item 63 & Commission regulation (EU) 2015/628<br>- Lead content requirement                                                      | Pass          |
| (2) BS EN ISO 105-X12:2016<br>-Colour fastness to rubbing test                                                                                                                       | Pass          |
| (3) Regulation (EC) No. 1907/2006 on REACH Annex XVII as amended by Commission Regulation (EU) No. 835/2012 and Commission Regulation (EU) 2016/217<br>- Cadmium content requirement | Pass          |
| (4) REACH Regulation (EC) no. 1907/2006, Annex XVII Items 51 & 52, amendment no. 552/2009 & 2018/2005<br>- Phthalates content                                                        | Pass          |
| (5) REACH Regulation (EC) no. 1907/2006 & amendment (EU) no. 1272/2013 Annex XVII Item 50<br>- Polycyclic aromatic hydrocarbons content                                              | Pass          |
| (6) REACH Regulation (EC) no. 1907/2006, Annex XVII Item 43 & amendment (EC) no. 552/2009 and (EU) no. 2096/2020<br>- Azocolourants content ∞                                        | Pass          |
| (7) Applicant's requirement<br>- Formaldehyde content                                                                                                                                | Pass          |
| (8) Regulation (EU) No. 2019/1021 on persistent organic pollutants (POPs) & amendment (EU) no. 2021/277<br>- Pentachlorophenol (PCP) content                                         | Pass          |

**Decision Rule(s):**

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 Intertek's "Decision Rule Document" and is available on Intertek's website. <https://intertekhk.grd.by/decision-rule-doc..>  
If decision rule already inhered in the requested specification or standard, Intertek's "Decision Rule Document" is not applicable and indication of "∞" was shown as above table.

**Note :** This is to supersede Report No. HKGH03222691 dated Feb 14, 2025 due to Amending sample description



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### (1) Lead (Pb) Content

Test Method : Lead content requirement in Commission regulation (EU) 2015/628 amending Annex XVII item 63 of the REACH regulation (EC) No. 1907/2006, acid digestion was used and total Lead content was determined by inductively coupled argon plasma spectrometry.

#### Lead Content:

| Tested Component | Result in %, w/w | Limit in %, w/w |
|------------------|------------------|-----------------|
| (1)              | ND               | 0.05            |
| (2/3)            | ND               | 0.05            |
| (4/5/6)          | ND               | 0.05            |
| (7)              | ND               | 0.05            |
| (8)              | ND               | 0.05            |
| (9)              | ND               | 0.05            |
| (10)             | ND               | 0.05            |
| (11)             | ND               | 0.05            |
| (12)             | ND               | 0.05            |
| (13)             | ND               | 0.05            |
| (14)             | ND               | 0.05            |

ND : Not detected (< 0.002%)

#### Tested Components:

- (1) Light brown plastic (frame of loungers).
- (2) White fabric with multicolor printings (seat of chair).
- (3) White fabric with multicolor printings (seat of "Where is the limit?" lounge).
- (4) White fabric with multicolor printings (seat of "RACING 23" lounge).
- (5) White fabric with light blue / red printings (seat of flower lounge).
- (6) Light brown webbing (strap of "RACING 23" lounge).
- (7) Pale brown wood (frame of chair, all loungers).
- (8) Gold color metal (round crosshead screw).
- (9) Iridescent plated metal (rivet).
- (10) Iridescent plated metal (washer of rivet).
- (11) Iridescent plated metal (slotted screw).
- (12) Silver color metal (flat crosshead screw).
- (13) Silver color metal (staple).
- (14) Gold color metal (staple).

Date sample received : Feb 06, 2025

Test Period : Feb 06, 2025 to Feb 11, 2025



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### (2) Colour Fastness to Rubbing

Test Standard : BS EN ISO 105-X12:2016 Colour Fastness to Rubbing

| <u>Tested Component</u> | <u>Dry</u> | <u>Wet</u> |
|-------------------------|------------|------------|
| (1)                     | 4-5        | 4-5        |
| (2)                     | 4-5        | 4-5        |
| (3)                     | 4-5        | 4-5        |
| (4)                     | 4-5        | 4-5        |
| (5)                     | 4-5        | 4-5        |

Remark: Evaluating against ISO Grey Scale for Staining.

Applicant's acceptance ratings :

Dry rubbing: 2-3 or above

Wet rubbing: 2-3 or above

Tested Components:

- (1) White woven with light teal and pink printing (YC6503).
- (2) White woven with blue and dark pink multicolor printing (MCHA01).
- (3) White woven with dark blue and green multicolor printing (MCHA02).
- (4) Beige woven tape.
- (5) White woven with blue multicolor printing (MCHA03).

Date sample received : Feb 06, 2025

Test Period : Feb 06, 2025 to Feb 11, 2025



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(3) Cadmium (Cd) Content

Test Method : In House method TC008.TP. Acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

| Tested Component | Result in %, w/w | Limit in %, w/w |
|------------------|------------------|-----------------|
| (1)              | ND               | 0.01            |

ND : Not detected (< 0.0005%)

The above limit was quoted according to Regulation (EC) No. 1907/2006 on REACH Annex XVII as amended by Commission Regulation (EU) No. 835/2012 and Commission Regulation (EU) 2016/217

Tested Component:

(1) Light brown plastic (frame of loungers).

Date sample received : Feb 06, 2025

Test Period : Feb 06, 2025 to Feb 11, 2025



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(4) Phthalate Content Test

Test Method : ISO 8124-6 : 2023 method A with internal standard calibration, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Seven Phthalates content:

| Compound                       | Result (% w/w) | Limit (% w/w) |
|--------------------------------|----------------|---------------|
|                                | (1)            |               |
| Dibutyl phthalate (DBP)        | <0.0100        | --            |
| Diethyl hexyl phthalate (DEHP) | <0.0100        | --            |
| Benzyl butyl phthalate (BBP)   | <0.0100        | --            |
| Diisobutyl phthalate (DIBP)    | <0.0100        | --            |
| Sum of DBP, DEHP, BBP & DIBP   | <0.0100        | 0.1           |
| Diisononyl phthalate (DINP)    | <0.0100        | --            |
| Di-n-octyl phthalate (DnOP)    | <0.0100        | --            |
| Diisodecyl phthalate (DIDP)    | <0.0100        | --            |
| Sum of DINP, DnOP & DIDP       | <0.0100        | 0.1           |

The above limit was quoted according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) no. 1907/2006, amendment no. 552/2009 taking into account the (EU) regulation 2018/2005 modifying entry 51 for which the DIBP shall not be placed on the market after 7 July 2020 in toys or childcare articles, individually or in any combination with the first three phthalates which already exist in the entry 51, in a concentration equal to or greater than 0,1 % by weight of the plasticised material.

Tested Component:

(1) Light brown plastic (frame of loungers).

Date sample received : Feb 06, 2025

Test Period : Feb 06, 2025 to Feb 12, 2025



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(5) Polycyclic Aromatic Hydrocarbons (PAH) Content

Test Method : The document AfPS GS 2019:01 PAK issued by the Federal Institute for Occupational Safety and Health, solvent extraction and determined by Gas Chromatographic - Mass Spectrometry (GC/MS).

| Compound               | Result (ppm) | Limit (ppm) |
|------------------------|--------------|-------------|
|                        | (1)          |             |
| Benzo(a)pyrene         | <0.20        | 1           |
| Benzo(e)pyrene         | <0.20        | 1           |
| Benzo(a)anthracene     | <0.20        | 1           |
| Chrysene               | <0.20        | 1           |
| Benzo(b)fluoranthene   | <0.20        | 1           |
| Benzo(j)fluoranthene   | <0.20        | 1           |
| Benzo(k)fluoranthene   | <0.20        | 1           |
| Dibenzo(a,h)anthracene | <0.20        | 1           |

The above limit was quoted according to Annex XVII Items 50 of the REACH Regulation (EC) no. 1907/2006 & amendment (EU) no. 1272/2013 for polycyclic aromatic hydrocarbons (PAH).

Tested Component:

(1) Light brown plastic (frame of loungers).

Date sample received : Feb 06, 2025

Test Period : Feb 06, 2025 to Feb 10, 2025



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(6) Detection Of Amines Derived From Azocolourants and Azodyes

Test Method : By extraction on cut sample according to the below listed test method(s), followed by Gas Chromatographic - Mass Spectrometric (GC-MS) analysis and confirmed by High-Performance Liquid Chromatography / Diode Array Detector (HPLC/DAD) analysis.

EN ISO 14362-1 : 2017 for Textile Material

EN ISO 17234-1: 2015 for Leather Material

EN ISO 14362-3 : 2017 & EN ISO 17234-2: 2011 for 4-Aminoazobenzene

Method T:

| No. | Forbidden Amine                          | CAS No.  | Result (ppm) |     |     |
|-----|------------------------------------------|----------|--------------|-----|-----|
|     |                                          |          | (1)          | (2) | (3) |
| 1   | 4-Aminodiphenyl                          | 92-67-1  | N            | N   | N   |
| 2   | Benzidine                                | 92-87-5  | N            | N   | N   |
| 3   | 4-Chloro-o-toluidine                     | 95-69-2  | N            | N   | N   |
| 4   | 2-Naphthylamine                          | 91-59-8  | N            | N   | N   |
| 5   | o-Aminoazotoluene                        | 97-56-3  | N            | N   | N   |
| 6   | 2-Amino-4-nitrotoluene                   | 99-55-8  | N            | N   | N   |
| 7   | p-Chloroaniline                          | 106-47-8 | N            | N   | N   |
| 8   | 2,4-Diaminoanisole                       | 615-05-4 | N            | N   | N   |
| 9   | 4,4'-Diaminodiphenylmethane              | 101-77-9 | N            | N   | N   |
| 10  | 3,3'-Dichlorobenzidine                   | 91-94-1  | N            | N   | N   |
| 11  | 3,3'-Dimethoxybenzidine                  | 119-90-4 | N            | N   | N   |
| 12  | 3,3'-Dimethylbenzidine                   | 119-93-7 | N            | N   | N   |
| 13  | 3,3'-Dimethyl-4,4'diaminodiphenylmethane | 838-88-0 | N            | N   | N   |
| 14  | p-Cresidine                              | 120-71-8 | N            | N   | N   |
| 15  | 4,4'-Methylene-bis(2-chloroaniline)      | 101-14-4 | N            | N   | N   |
| 16  | 4,4'-Oxydianiline                        | 101-80-4 | N            | N   | N   |
| 17  | 4,4'-Thiodianiline                       | 139-65-1 | N            | N   | N   |
| 18  | o-Toluidine                              | 95-53-4  | N            | N   | N   |
| 19  | 2,4-Toluylenediamine                     | 95-80-7  | N            | N   | N   |
| 20  | 2,4,5-Trimethylaniline                   | 137-17-7 | N            | N   | N   |
| 21  | o-Anisidine                              | 90-04-0  | N            | N   | N   |
| 22  | p-Aminoazobenzene                        | 60-09-3  | N            | N   | N   |



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| No. | Forbidden Amine                           | CAS No.  | Result (ppm) |
|-----|-------------------------------------------|----------|--------------|
|     |                                           |          | (4/5)        |
| 1   | 4-Aminodiphenyl                           | 92-67-1  | N            |
| 2   | Benzidine                                 | 92-87-5  | N            |
| 3   | 4-Chloro-o-toluidine                      | 95-69-2  | N            |
| 4   | 2-Naphthylamine                           | 91-59-8  | N            |
| 5   | o-Aminoazotoluene                         | 97-56-3  | N            |
| 6   | 2-Amino-4-nitrotoluene                    | 99-55-8  | N            |
| 7   | p-Chloroaniline                           | 106-47-8 | N            |
| 8   | 2,4-Diaminoanisole                        | 615-05-4 | N            |
| 9   | 4,4'-Diaminodiphenylmethane               | 101-77-9 | N            |
| 10  | 3,3'-Dichlorobenzidine                    | 91-94-1  | N            |
| 11  | 3,3'-Dimethoxybenzidine                   | 119-90-4 | N            |
| 12  | 3,3'-Dimethylbenzidine                    | 119-93-7 | N            |
| 13  | 3,3'-Dimethyl-4,4'-diaminodiphenylmethane | 838-88-0 | N            |
| 14  | p-Cresidine                               | 120-71-8 | N            |
| 15  | 4,4'-Methylene-bis(2-chloroaniline)       | 101-14-4 | N            |
| 16  | 4,4'-Oxydianiline                         | 101-80-4 | N            |
| 17  | 4,4'-Thiodianiline                        | 139-65-1 | N            |
| 18  | o-Toluidine                               | 95-53-4  | N            |
| 19  | 2,4-Toluylenediamine                      | 95-80-7  | N            |
| 20  | 2,4,5-Trimethylaniline                    | 137-17-7 | N            |
| 21  | o-Anisidine                               | 90-04-0  | N            |
| 22  | p-Aminoazobenzene                         | 60-09-3  | N            |



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Method D:

| No. | Forbidden Amine                           | CAS No.  | Result (ppm) |     |     |
|-----|-------------------------------------------|----------|--------------|-----|-----|
|     |                                           |          | (1)          | (2) | (3) |
| 1   | 4-Aminodiphenyl                           | 92-67-1  | N            | N   | N   |
| 2   | Benzidine                                 | 92-87-5  | N            | N   | N   |
| 3   | 4-Chloro-o-toluidine                      | 95-69-2  | N            | N   | N   |
| 4   | 2-Naphthylamine                           | 91-59-8  | N            | N   | N   |
| 5   | o-Aminoazotoluene                         | 97-56-3  | N            | N   | N   |
| 6   | 2-Amino-4-nitrotoluene                    | 99-55-8  | N            | N   | N   |
| 7   | p-Chloroaniline                           | 106-47-8 | N            | N   | N   |
| 8   | 2,4-Diaminoanisole                        | 615-05-4 | N            | N   | N   |
| 9   | 4,4'-Diaminodiphenylmethane               | 101-77-9 | N            | N   | N   |
| 10  | 3,3'-Dichlorobenzidine                    | 91-94-1  | N            | N   | N   |
| 11  | 3,3'-Dimethoxybenzidine                   | 119-90-4 | N            | N   | N   |
| 12  | 3,3'-Dimethylbenzidine                    | 119-93-7 | N            | N   | N   |
| 13  | 3,3'-Dimethyl-4,4'-diaminodiphenylmethane | 838-88-0 | N            | N   | N   |
| 14  | p-Cresidine                               | 120-71-8 | N            | N   | N   |
| 15  | 4,4'-Methylene-bis(2-chloroaniline)       | 101-14-4 | N            | N   | N   |
| 16  | 4,4'-Oxydianiline                         | 101-80-4 | N            | N   | N   |
| 17  | 4,4'-Thiodianiline                        | 139-65-1 | N            | N   | N   |
| 18  | o-Toluidine                               | 95-53-4  | N            | N   | N   |
| 19  | 2,4-Toluylenediamine                      | 95-80-7  | N            | N   | N   |
| 20  | 2,4,5-Trimethylaniline                    | 137-17-7 | N            | N   | N   |
| 21  | o-Anisidine                               | 90-04-0  | N            | N   | N   |
| 22  | p-Aminoazobenzene                         | 60-09-3  | N            | N   | N   |



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| No. | Forbidden Amine                          | CAS No.  | Result (ppm) |
|-----|------------------------------------------|----------|--------------|
|     |                                          |          | (4/5)        |
| 1   | 4-Aminodiphenyl                          | 92-67-1  | N            |
| 2   | Benzidine                                | 92-87-5  | N            |
| 3   | 4-Chloro-o-toluidine                     | 95-69-2  | N            |
| 4   | 2-Naphthylamine                          | 91-59-8  | N            |
| 5   | o-Aminoazotoluene                        | 97-56-3  | N            |
| 6   | 2-Amino-4-nitrotoluene                   | 99-55-8  | N            |
| 7   | p-Chloroaniline                          | 106-47-8 | N            |
| 8   | 2,4-Diaminoanisole                       | 615-05-4 | N            |
| 9   | 4,4'-Diaminodiphenylmethane              | 101-77-9 | N            |
| 10  | 3,3'-Dichlorobenzidine                   | 91-94-1  | N            |
| 11  | 3,3'-Dimethoxybenzidine                  | 119-90-4 | N            |
| 12  | 3,3'-Dimethylbenzidine                   | 119-93-7 | N            |
| 13  | 3,3'-Dimethyl-4,4'diaminodiphenylmethane | 838-88-0 | N            |
| 14  | p-Cresidine                              | 120-71-8 | N            |
| 15  | 4,4'-Methylene-bis(2-chloroaniline)      | 101-14-4 | N            |
| 16  | 4,4'-Oxydianiline                        | 101-80-4 | N            |
| 17  | 4,4'-Thiodianiline                       | 139-65-1 | N            |
| 18  | o-Toluidine                              | 95-53-4  | N            |
| 19  | 2,4-Toluylenediamine                     | 95-80-7  | N            |
| 20  | 2,4,5-Trimethylaniline                   | 137-17-7 | N            |
| 21  | o-Anisidine                              | 90-04-0  | N            |
| 22  | p-Aminoazobenzene                        | 60-09-3  | N            |

N = Not detected

Detection limit = 5 ppm

Requirement = 30 ppm (max.)

ppm = parts per million = mg/kg

Method T : Direct buffer extraction as per EN ISO 14362-1 : 2017 Section 10.2

Method D : Colourant extraction with Xylene as per EN ISO 14362-1 : 2017 Section 10.1

Method L : EN ISO 17234-1: 2015

If both methods T and D conducted, final conclusion was based on the highest value of each amine.

- High Performance Liquid Chromatographic (HPLC) analysis was used to confirm any detected amines.
- The test component with p-aminoazobenzene less than detection limit was tested by EN ISO 14362-1 : 2017 for textile material / EN ISO 17234-1: 2015 for leather material.



## TEST REPORT

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### Tested Components:

- (1) White fabric with multicolor printings (seat of chair).
- (2) White fabric with multicolor printings (seat of "Where is the limit?" lounge).
- (3) White fabric with multicolor printings (seat of "RACING 23" lounge).
- (4) White fabric with light blue / red printings (seat of flower lounge).
- (5) Light brown webbing (strap of "RACING 23" lounge).

### Decision Rule:

∞ : In the case of levels per amine component is equal or smaller than 30 ppm:  
According to the analysis as carried out, azo colorants which can release one or more of certain listed amines by cleavage of their azo group/s were not detected. The tested sample/component were in compliance with requirement.

In the case of levels per amine component is greater than 30 ppm:  
The analytical result suggests that the commodity submitted has been manufactured or treated using azo colorant/s which can release one or more of certain listed amines by cleavage of their azo group/s at levels greater than 30 ppm. The tested sample/component did not comply the requirement.

Date sample received : Feb 06, 2025

Test Period : Feb 06, 2025 to Feb 12, 2025

### (7) Formaldehyde Release

Test Method : EN717-3 : 1996 by Flask Method.

| Tested Component | Result in ppm | Applicant's requirement in ppm<br>ppm |
|------------------|---------------|---------------------------------------|
| (1)              | <1            | 80                                    |

ppm = parts per million = mg/kg

### Tested Component:

- (1) Pale brown wood (frame of chair, all loungers).

Date sample received : Feb 06, 2025

Test Period : Feb 06, 2025 to Feb 13, 2025



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(8) Pentachlorophenol (PCP) Content

Test Standard : With reference to BVL B 82.02-8:2001 for textiles, EN ISO 17070:2015 for leather, CEN/TR 14823:2003 for wood, paper and paper board, and followed by Gas Chromatographic - Mass Spectrometry (GC-MS) analysis.

| Tested Component | Result in ppm | Limit in ppm |
|------------------|---------------|--------------|
| (1/2)            | <0.5          | 5            |
| (3)              | <0.5          | 5            |
| (4)              | <0.5          | 5            |

Detection limit = 0.5 ppm

ppm = parts per million = mg/kg

Tested Components:

- (1) White fabric with multicolor printings (seat of chair).
- (2) White fabric with multicolor printings (seat of "Where is the limit?" lounge).
- (3) Pale brown wood (frame of chair, all loungers).
- (4) White fabric with multicolor printings (seat of "RACING 23" lounge) / White fabric with light blue / red printings (seat of flower lounge) / Light brown webbing (strap of "RACING 23" lounge).

Date sample received : Feb 06, 2025

Test Period : Feb 06, 2025 to Feb 13, 2025



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End of report

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