

TEST REPORT

Applicant: MID OCEAN BRANDS B.V.
7/F KINGS TOWER
111 KING LAM STREET
CHEUNG SHA WAN
KLN

Number: HKGH03163657

Date: Aug 13, 2024

Attn: DEREK HUI / EMMA LAM

Sample and Information provided by customer :

Item Name

: **MO2161 Summer Flowers Mix Growing Disc****MO6226 Pine Tree Bookmark****MO6228 Pine Tree Set****MO6690 Birch Wooden Phone Stand Holder****MO6691 Birch Wooden Phone Stand Holder**

Item No.

: **MO2161, MO6226, MO6228, MO6690, MO6691**

Quantity

: 3 pieces per style



Vendor

: 117074

Country of Origin

: EU

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 - Lead content requirement	Pass
(2) ISO 105-X12: 2016 -Colour fastness to rubbing test	Pass
(3) REACH Regulation (EC) no. 1907/2006, Annex XVII Item 43 & amendment (EC) no. 552/2009 and (EU) no. 2096/2020 - Azocolourants content ∞	Pass
(4) Applicant's requirement - Formaldehyde content	Pass
(5) Regulation (EU) No. 2019/1021 on persistent organic pollutants (POPs) & amendment (EU) no. 2021/277 - 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.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) 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)	ND	0.05
(5/6)	ND	0.05
(7/8)	ND	0.05
(9)	ND	0.05
(10)	0.003	0.05

ND : Not detected (< 0.002%)

Tested Components:

- (1) Dark brown material with white non woven (mud).
- (2) Brown paper (cup).
- (3) Brown paper card with printings (bookmark).
- (4) Transparent plastic (seeds holder).
- (5) Pine seed (pine seed).
- (6) Birch seed.
- (7) Light brown wood (seed holder).
- (8) Light brown ply wood (birch seed holder).
- (9) Black cotton strap (bookmark strap).
- (10) Black metal (metal clip).

Date sample received : Jul 30, 2024

Test Period : Jul 30, 2024 to Aug 02, 2024



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(2) Colour Fastness to Rubbing

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

<u>Tested Component</u>	<u>Dry</u>	<u>Wet</u>
(1)	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 Component:

(1) Black cotton strap (bookmark strap).

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(3) 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)
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

Method D:



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No.	Forbidden Amine	CAS No.	Result (ppm)
			(1)
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.



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Tested Component:

(1) Black cotton strap (bookmark strap).

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.

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(4) Formaldehyde Release

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

Tested Component	Result in ppm	Applicant's requirement in ppm ppm
(1)	<1	80
(2)	<1	80

ppm = parts per million = mg/kg

Tested Components:

- (1) Light brown wood (seed holder).
- (2) Light brown ply wood (birch seed holder).

Date sample received : Jul 30, 2024

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(5) 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
(3/4)	<0.5	5

Detection limit = 0.5 ppm

ppm = parts per million = mg/kg

Tested Components:

- (1) Brown paper (cup).
- (2) Brown paper card with printings (bookmark).
- (3) Light brown wood (seed holder).
- (4) Light brown ply wood (birch seed holder).

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Test Period : Jul 30, 2024 to Aug 06, 2024



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