

Test report

T-24134299-11-R1



Verify Report

Overall result

Pass

Please refer to the following pages for test result summary and notes.

Client information

Client: Mid Ocean Brands B.V.
Address: 7/F, Kings Tower, 111 King Lam Street,
Cheung Sha Wan, Kowloon, Hong Kong



Sample information

Description: Fire blanket
SKU/style #: MO8373 /MO6386
Country of origin: -
Country of distribution: Europe
Quantity submitted: 2 styles + 3 pcs+ a lot parts

Labeled age grade: -
Tested age grade: -
Materials: glass fibre
polyester

General information

Sample receipt date: 12-Aug-2024
13-Aug-2024 to 16-Aug-2024,
Testing period: 13-Sep-2024 to 18-Sep-2024,
08-Oct-2024 to 10-Oct-2024,
14-Oct-2024 to 16-Oct-2024

Report date: 18-Oct-2024

QIMA (Hangzhou) Testing Co., Ltd.

Jeremy Xu
Chemical Laboratory Manager

QIMA (Hangzhou) Testing Co., Ltd.

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Textile Laboratory Manager



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Result summary

At the request of the client, the following test were conducted:

Test(s) conducted	Conclusion
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Substrate Materials	Pass
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Substrate Materials	Pass
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 43 Azocolorants in Textiles	Pass
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 50 Polycyclic Aromatic Hydrocarbon (PAH)	Pass
Regulation (EC) No. 1907/2006 REACH Annex XVII as amended, Item 51 and 52 Phthalates – Mouthable (DBP, BBP, DEHP, DIBP, DnOP, DINP, DIDP)	Pass
Colour Fastness to Rubbing	Pass



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Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Substrate Materials

Test Method: CPSC-CH-E1001-08.3 (Metal) and/or CPSC-CH-E1002-08.3 (Non-Metal)

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	2+3	4	5	6	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	ND	ND	ND	ND	500
Conclusion	Pass	Pass	Pass	Pass	Pass	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:

By client's request, selected components were conducted for this section.



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Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Substrate Materials

Test Method: ASTM F963-23 Clause 8.3.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	2+3	4	5	6	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Cadmium (Cd)	ND	ND	ND	ND	ND	100
Conclusion	Pass	Pass	Pass	Pass	Pass	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:

By client's request, selected components were conducted for this section.



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Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 43 Azocolorants in Textiles

Test Method: EN ISO 14362-1:2017, EN ISO 14362-3:2017
Analytical Method: Gas Chromatography with Mass Spectrometry, Liquid Chromatography with Diode Array Detection / Liquid Chromatography with Mass Spectrometry

Specimen No.		1	2+3	4	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
4-aminobiphenyl	92-67-1	ND	ND	ND	---	30
Benzidine	92-87-5	ND	ND	ND	---	30
4-chloro-o-toluidine	95-69-2	ND	ND	ND	---	30
2-naphtylamine	91-59-8	ND	ND	ND	---	30
o-Aminoazotoluene	97-56-3	ND	ND	ND	---	30
5-nitro-o-toluidine	99-55-8	ND	ND	ND	---	30
4-chloroaniline	106-47-8	ND	ND	ND	---	30
2,4-diaminoanisoie	615-05-4	ND	ND	ND	---	30
4,4'-methylenedianiline	101-77-9	ND	ND	ND	---	30
3,3'-dichlorobenzidine	91-94-1	ND	ND	ND	---	30
o-dianisidine	119-90-4	ND	ND	ND	---	30
3,3'-dimethylbenzidine	119-93-7	ND	ND	ND	---	30
4,4'-methylenedi-o-toluidine	838-88-0	ND	ND	ND	---	30
p-cresidine	120-71-8	ND	ND	ND	---	30
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	ND	ND	ND	---	30
4,4'-oxydianiline	101-80-4	ND	ND	ND	---	30
4,4'-thiodianiline	139-65-1	ND	ND	ND	---	30
o-toluidine	95-53-4	ND	ND	ND	---	30
2,4-diaminotoluene	95-80-7	ND	ND	ND	---	30
2,4,5-trimethylaniline	137-17-7	ND	ND	ND	---	30
2-methoxyaniline	90-04-0	ND	ND	ND	---	30
4-aminoazobenzene	60-09-3	ND	ND	ND	---	30
Conclusion		Pass	Pass	Pass	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 5 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:

In the case of levels per amine component less than or equal to 30 mg/kg, 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 in the commodity submitted.

By client's request, selected component was conducted for this section.



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Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 50 Polycyclic Aromatic Hydrocarbon (PAH)

Test Method: AfPS GS 2019:01
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1	5	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Benzo [a] pyrene (BaP)	50-32-8	ND	ND	---	---	1
Benzo [e] pyrene (BeP)	192-97-2	ND	ND	---	---	1
Benzo [a] anthracene (BaA)	56-55-3	ND	ND	---	---	1
Chrysene (CHR)	218-01-9	ND	ND	---	---	1
Benzo [b] fluoranthene (BbFA)	205-99-2	ND	ND	---	---	1
Benzo [j] fluoranthene (BjFA)	205-82-3	ND	ND	---	---	1
Benzo [k] fluoranthene (BkFA)	207-08-9	ND	ND	---	---	1
Dibenzo [a,h] anthracene (DBAhA)	53-70-3	ND	ND	---	---	1
Conclusion		Pass	Pass	---	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 0.2 mg/kg)

Remark:

By client's request, selected components were conducted for this section.



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Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII as amended, Item 51 and 52 Phthalates – Mouthable (DBP, BBP, DEHP, DIBP, DnOP, DINP, DIDP)

Test Method: CPSC-CH-C1001-09.4
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1-1	5-1	9	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	1000
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	1000
Sum of DBP, BBP, DEHP, DIBP		ND	ND	ND	1000
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	ND	
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	
Sum of DnOP, DINP, DIDP		ND	ND	ND	1000
Conclusion		Pass	Pass	Pass	

Note:

mg/kg (Milligrams per kilogram) = ppm (Parts per million) = 0.0001 % w/w (Percent by weight)

LT = Less than

ND = Not detected (Reporting Limit = 150 mg/kg)

Remark:

By client's request, selected components were conducted for this section.



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Detailed results

Colour Fastness to Rubbing

Test Method: ISO 105-X12: 2016, Size of rubbing finger: 16mm dia.

Specimen No.	7	8-Handle	8-Shell	---	---	Client's requirement
Items	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	
Dry staining	4-5	4-5	4-5	---	---	Min. 2-3
Wet staining	4-5	4-5	4-5	---	---	Min. 2-3
Conclusion	Pass	Pass	Pass	---	---	-

Remark: 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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Specimen description

Specimen #	Specimen description	Location
1	Red/white coated red textile	Bag (small style)
1-1	Red coated red textile	Bag (small style)
2	Red textile	Velcro loop (small style)
3	Black textile	Strap (small style)
4	White textile	Blanket (small style)
5	Red soft plastic	Velcro hook (small style)
5-1	Red soft plastic	Velcro hook (small style)
6	Golden metal	Eyelet (small style)
7	Red bag	Finished product
8	White fire blanket	Finished product
9	White ink	Raw material





Pictures

Sample photo:



End of the report

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and the method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the QIMA decision rule. (<https://www.qima.com/conditions-of-service#decisionRule>). This test report may not be reproduced in whole or in part, without the written approval of QIMA (Hangzhou) Testing Co., Ltd.



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Page 10 of 10