

## Test report

T-25453193-11-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: Unit 711-716, 7/F, Tower A, 83 King Lam  
Street, Cheung Sha Wan, Kowloon, Hong Kong



#### Sample information

Description: Garden Shovel with Bottle Opener and Rope

SKU / style #: MO9811

Country of origin: -

Country of distribution: Europe

Material / composition: Stainless steel, beech

Quantity submitted: 3 pcs

Labeled age grade: -

Tested age grade: -

Vendor code: 118518

#### General information

Sample receipt date: 31-Jul-2025

Report date: 12-Aug-2025

Testing period: 01-Aug-2025 to 07-Aug-2025

QIMA (Hangzhou) Testing Co., Ltd.

Carina Zhou

Textile Laboratory Manager

QIMA (Hangzhou) Testing Co., Ltd.

Jeremy Xu

Chemical 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 as amended, Item 51 and 52 Phthalates –Mouthable (DBP, BBP, DEHP, DIBP, DnOP, DINP, DIDP)	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 (EU) No. 2019/1021 Persistent Organic Pollutants , ANNEX I and its amendment (EU) 2021/277- Pentachlorophenol	Pass
Colour Fastness to Rubbing	Pass





## 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.	C1	C2	C3	C4	---	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	---	<b>500</b>
<b>Conclusion</b>	Pass	Pass	Pass	Pass	---	

*Note:*

mg/kg = Milligrams per kilogram

LT = Less than

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



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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.	C2	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Cadmium (Cd)	ND	---	---	---	---	<b>100</b>
<b>Conclusion</b>	Pass	---	---	---	---	

*Note:*

mg/kg = Milligrams per kilogram

LT = Less than

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



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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.	C2	---	---	Limit (% w/w)
Test Item	CAS No.	Result (% w/w)	Result (% w/w)	
Dibutyl Phthalate (DBP)	84-74-2	ND	---	---
Benzyl Butyl Phthalate (BBP)	85-68-7	ND	---	---
Di-(2-Ethylhexyl) Phthalate (DEHP)	117-81-7	ND	---	---
Diisobutyl Phthalate (DIBP)	84-69-5	ND	---	---
Sum of DBP, BBP, DEHP, DIBP		ND	---	0.1
Di-n-Octyl Phthalate (DnOP)	117-84-0	ND	---	---
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	---	---
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	---	---
Sum of DnOP, DINP, DIDP		ND	---	0.1
Conclusion		Pass	---	---

**Note:**

% w/w = Percent by weight

LT = Less than

ND = Not detected (Reporting Limit = 0.015 % w/w)



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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.	C1	---	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
4-aminobiphenyl	92-67-1	ND	---	---	30
Benzidine	92-87-5	ND	---	---	30
4-chloro-o-toluidine	95-69-2	ND	---	---	30
2-naphthylamine	91-59-8	ND	---	---	30
o-Aminoazotoluene	97-56-3	ND	---	---	30
5-nitro-o-toluidine	99-55-8	ND	---	---	30
4-chloroaniline	106-47-8	ND	---	---	30
2,4-diaminoanisole	615-05-4	ND	---	---	30
4,4'-methylenedianiline	101-77-9	ND	---	---	30
3,3'-dichlorobenzidine	91-94-1	ND	---	---	30
o-dianisidine	119-90-4	ND	---	---	30
3,3'-dimethylbenzidine	119-93-7	ND	---	---	30
4,4'-methylenedi-o-toluidine	838-88-0	ND	---	---	30
p-cresidine	120-71-8	ND	---	---	30
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	ND	---	---	30
4,4'-oxydianiline	101-80-4	ND	---	---	30
4,4'-thiodianiline	139-65-1	ND	---	---	30
o-toluidine	95-53-4	ND	---	---	30
2,4-diaminotoluene	95-80-7	ND	---	---	30
2,4,5-trimethylaniline	137-17-7	ND	---	---	30
2-methoxyaniline	90-04-0	ND	---	---	30
4-aminoazobenzene	60-09-3	ND	---	---	30
<b>Conclusion</b>		Pass	---	---	

**Note:**

mg/kg = Milligrams per kilogram

LT = Less than

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

**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.



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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.		C2	---	---	---	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	---	---	---	1
Benzo [e] pyrene (BeP)	192-97-2	ND	---	---	---	1
Benzo [a] anthracene (BaA)	56-55-3	ND	---	---	---	1
Chrysene (CHR)	218-01-9	ND	---	---	---	1
Benzo [b] fluoranthene (BbFA)	205-99-2	ND	---	---	---	1
Benzo [j] fluoranthene (BjFA)	205-82-3	ND	---	---	---	1
Benzo [k] fluoranthene (BkFA)	207-08-9	ND	---	---	---	1
Dibenzo [a,h] anthracene (DBAhA)	53-70-3	ND	---	---	---	1
Conclusion		Pass	---	---	---	

**Note:**

mg/kg = Milligrams per kilogram

LT = Less than

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



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## Detailed results

### Regulation (EU) No. 2019/1021 Persistent Organic Pollutants, ANNEX I and its amendment (EU) 2021/277- Pentachlorophenol

Test Method: CEN/TR 14823:2003  
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.	C2	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Pentachlorophenol (PCP) and its salts and ester	ND	---	---	---	---	5
Conclusion	Pass	---	---	---	---	

**Note:**

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 1 mg/kg)



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## Detailed results

### Colour Fastness to Rubbing

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

Specimen No.	T1-Rope	---	---	---	---	Client's requirement
Items	Result (Grade)					
Dry staining	4	---	---	---	---	Min. 2-3
Wet staining	2-3	---	---	---	---	Min. 2-3
Conclusion	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
C1	Dark brown textile	String
C2	Natural wood with transparent lacquer	Handle
C3	Silvery metal	Shovel
C4	Silvery metal	Shovel joint
T1	Garden Shovel with Bottle Opener and Rope	Finished product





## 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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# Test Report

Report No. : AGC06169250802-001

**SAMPLE NAME** : Garden Shovel with Bottle Opener and Rope

**MODEL NAME** : MO9811

**APPLICANT** : Mid Ocean Brands B.V.

**STANDARD(S)** : Please refer to the following page(s).

**DATE OF ISSUE** : Aug. 18, 2025

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Address : Mid Ocean Brands B.V.  
Test Site : Unit 711-716, 7/F., Tower A, 83 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong  
Test Site : 6/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

**Report on the submitted sample(s) said to be:**

Sample Name : Garden Shovel with Bottle Opener and Rope  
Material : wood  
Model : MO9811  
Vendor Code : 118518  
Country of Origin : China  
Sample Received Date : Aug. 05, 2025  
Testing Period : Aug. 05, 2025 to Aug. 18, 2025  
Test Requested : Selected test(s) as requested by client.

**Test Requested:****Conclusion**

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 77

- Formaldehyde Release

Pass

Approved by: Suhongliang

Suhongliang

Technical Director

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## Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	Aug. 18, 2025	Valid	Initial release

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**The photo of the sample**

The photo of AGC06169250802-001 is for use only with the original report.

**Test Point Description**

Test point	Test point description
1	Wooden handle

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**Test Results:**

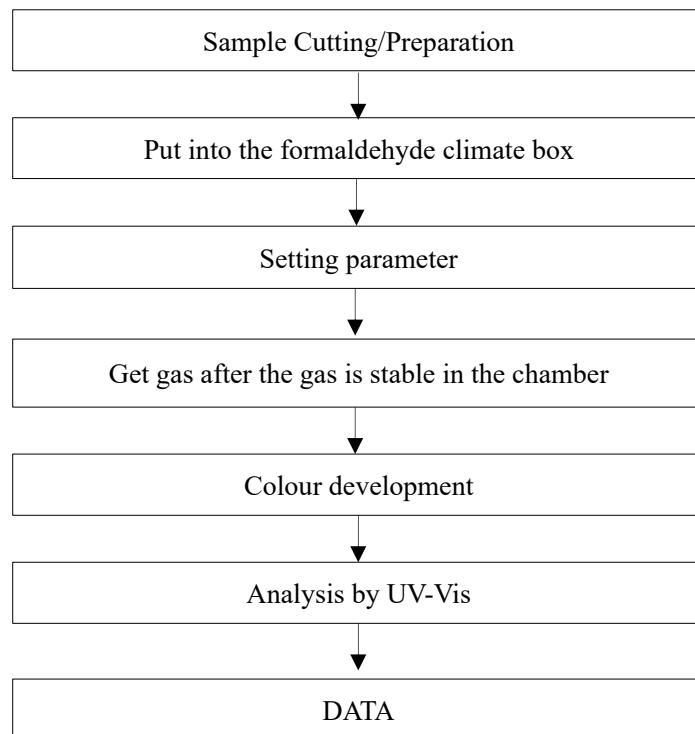
Note: N.D.=Not Detected (less than method detection limit), MDL = Method Detection Limit, 1mg/kg=0.0001%

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019/CNAS-GL015:2022.

**Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 77****- Formaldehyde Release**

Test Methods and Equipment: EN 717-1:2004; UV-Vis

Test Item(s)	Unit	Limit	MDL	Test Result(s)
				1
Formaldehyde Release	mg/m <sup>3</sup>	0.062	0.006	N.D.(240h)
Conclusion				Conformity

**Test Flow Chart of Formaldehyde Release**

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