



TEST REPORT

Test Report # 19A-001700-2 Date of Report Issue: April 16, 2019
Date of Sample Received: April 11, 2019 Pages: Page 1 of 8

CLIENT INFORMATION:

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



SAMPLE INFORMATION:

Product Name: Snow brush with integrated ice scraper and form grip handle
Model/style No.: MO9676
Main Material: PP, ABS, PET
Buyer: Mid Ocean Brands B.V.
Supplier: 100396
Country of Distribution: Europe
Testing Period: 04/11/2019-04/16/2019

OVERALL RESULT:

PASS

Refer to page 2 for test result summary and appropriate notes.

HANGZHOU ASIAINSPECTION
TESTING TECHNOLOGY CO., LTD

Kevin Lee
Technical Manager





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TEST RESULTS SUMMARY:

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

CONCLUSION	TEST(S) CONDUCTED
PASS	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 50 Polycyclic Aromatic Hydrocarbon (PAH)
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII as amended, Item 51 Phthalates – Non-Mouthable (DBP, BBP, DEHP, DIBP)

Remark: Test results are transferred from test report no. 19A-001700-1 date: 04/16/2019





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	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	17	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)





DETAILED RESULTS:

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

Test Method: ASTM F963-17 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	2	3	4	5	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)

Remark:

the specification is quoted from the client's request



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

Test Method: AfPS GS 2014:01

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1	3	4	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	ND	ND	1
Benzo [e] pyrene (BeP)	192-97-2	ND	ND	ND	ND	1
Benzo [a] anthracene (BaA)	56-55-3	ND	ND	ND	ND	1
Chrysene (CHR)	218-01-9	ND	ND	0.2	ND	1
Benzo [b] fluroanthene (BbFA)	205-99-2	ND	ND	ND	ND	1
Benzo [j] fluroanthene (BjFA)	205-82-3	ND	ND	ND	ND	1
Benzo [k] fluroanthene (BkFA)	207-08-9	ND	ND	ND	ND	1
Dibenzo [a,h] anthracene (DBA _h A)	53-70-3	ND	ND	ND	ND	1
Conclusion		PASS	PASS	PASS	PASS	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

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



**DETAILED RESULTS:****Regulation (EC) No. 1907/2006 REACH Annex XVII as amended, Item 51 Phthalates – Non-Mouthable (DBP, BBP, DEHP, DIBP)**

Test Method: CPSC-CH-C1001-09.4

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1	3	4	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	170	1000
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	1000
Sum of DBP, BBP, DEHP, DIBP		ND	ND	170	1000
Conclusion		PASS	PASS	PASS	

Specimen No.		5	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Dibutyl phthalate (DBP)	84-74-2	ND	---	---	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	---	---	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	---	---	1000
Diisobutyl phthalate (DIBP)	84-69-5	ND	---	---	1000
Sum of DBP, BBP, DEHP, DIBP		ND	---	---	1000
Conclusion		PASS	---	---	

Note:

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

LT = Less than

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





SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Black plastic	Tail
2	Silvery metal	Rivet
3	Black foam	Handle sleeve
4	Black plastic	Head
5	Black plastic	Brush





SAMPLE PHOTO:



-End Report-

