

# TEST REPORT

<u>Applicant</u>	:	Mid Ocean Brands B.V.
<u>Address</u>	:	7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.
<u>Sample description</u>	:	Sports knee support
<u>Item no.</u>	:	M02873
<u>Manufacturer</u>	:	107961
<u>Sample received date</u>	:	03-Nov-2025
<u>Turn around time</u>	:	03-Nov-2025 To 11-Nov-2025

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Banned AZO Dyes	REACH Annex XVII, Entry 43	Pass
Colour Fastness to Rubbing	EN ISO 105-X12:2016	Pass
Total Lead Content	REACH Annex XVII, Entry 63	Pass
Total Cadmium Content	REACH Annex XVII, Entry 23	Pass
Phthalates Content	REACH Annex XVII, Entry 51 & 52	Pass
Polycyclic Aromatic Hydrocarbons (PAHs)	REACH Annex XVII, Entry 50	Pass

*Samples are obtained by express delivery, Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. Unless otherwise stated from the customer, regulation or the standard specification, Eurofins will apply it in accordance with ILAC G8:09/2019-(binary statement for simple acceptance rule). If you happen to have any comments, please do it by sending email to [info.sh@cpt.eurofinscn.com](mailto:info.sh@cpt.eurofinscn.com) and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd. If you happen to have any complaints, please do it by sending email to [info.sh@cpt.eurofinscn.com](mailto:info.sh@cpt.eurofinscn.com) and referring to this report number.*



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\*\*\*\*\* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) \*\*\*\*\*

Signed for and on behalf of  
Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd.

Linda  
Jin



Linda Jin  
Chemical Division Assistant Manager

**SAMPLE PHOTO(S)****EFW525110277-CG-01**

\*\*\*TO BE CONTINUED\*\*\*

## **COMPONENT LIST**

<b>Component No.</b>	<b>Component</b>	<b>Sample No.</b>
1	Black plastic (adapter buckle)	A
2	Black plastic Velcro hook	A
3	Black fabric Velcro loop	A
4	Black fabric (piping)	A
5	Black fabric (long straps body)	A
6	Black plush fabric (long straps body)	A
7	Black fabric (short strap)	A

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Banned AZO Dyes

Test Request: Banned AZO dyes as specified in entry 43 of annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: EN ISO 14362-1:2017, EN ISO 14362-3:2017, sampling procedure and sample preparation according to Annex E4.2 and Annex E4.3.

Test Item(s)	CAS No.	Unit	Limit	MDL	Result	
					3+4+5*	6+7*
4-methyl-m-phenylenediamine	95-80-7	mg/kg	30	5	ND	ND
2-Naphthylamine	91-59-8	mg/kg	30	5	ND	ND
4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	30	5	ND	ND
Bis-(4-aminophenyl)methane	101-77-9	mg/kg	30	5	ND	ND
4,4'-Oxydianiline	101-80-4	mg/kg	30	5	ND	ND
4,4'-Thiodianiline	139-65-1	mg/kg	30	5	ND	ND
Benzidine	92-87-5	mg/kg	30	5	ND	ND
o-Toluidine	95-53-4	mg/kg	30	5	ND	ND
5-Nitro-o-toluidine (Note 1)	99-55-8	mg/kg	30	5	ND	ND
4-methoxy-m-phenylenediamine	615-05-4	mg/kg	30	5	ND	ND
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	mg/kg	30	5	ND	ND
o-Aminoazotoluene (Note 1)	97-56-3	mg/kg	30	5	ND	ND
2,4,5-Trimethylaniline	137-17-7	mg/kg	30	5	ND	ND
4-Aminobiphenyl	92-67-1	mg/kg	30	5	ND	ND
o-Anisidine	90-04-0	mg/kg	30	5	ND	ND
3,3'-Dichlorobenzidine	91-94-1	mg/kg	30	5	ND	ND
4-Chloroaniline	106-47-8	mg/kg	30	5	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	mg/kg	30	5	ND	ND
n.d.3,3'-Dimethybenzidine	119-93-7	mg/kg	30	5	ND	ND
4-Amino-azobenzene (Note 2)	60-09-3	mg/kg	30	5	ND	ND
2-Methoxy-5-methylaniline	120-71-8	mg/kg	30	5	ND	ND
4-Chloro-2-methylaniline	95-69-2	mg/kg	30	5	ND	ND

### **Remarks:**

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

\*Further confirmation was done according to EN ISO 14362-3:2017 due to aniline and/or 1,4-phenylenediamine were detected. Note 1: The CAS-numbers 97-56-3 and 99-55-8 are further reduced to CAS-numbers 95-53-4 and 95-80-7.

Note 2: 4-Amino-azobenzene(CAS No.:60-09-3) is reduced to aniline and 1,4-phenylenediamine.

MDL = method detection limit

ND = Not detected, less than MDL,

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Colour Fastness to Rubbing

EN ISO 105-X12:2016

	(4)&(5)	(3)&(6)&(7)	Requirement:
Lengthwise Dry Colour Stain	4-5	4-5	Grade 2-3
Lengthwise Wet Colour Stain	4	4-5	Grade 2-3
Widthwise Dry Colour Stain	/	/	
Widthwise Wet Colour Stain	/	/	

Grey Scale for Assessing Colour Change/Staining

Grade 5 Negligible or no change/staining  
Grade 4 Slightly changed/stained  
Grade 3 Noticeably changed/stained  
Grade 2 Considerably changed/stained  
Grade 1 Much changed/stained

### Total Lead Content

Test Request: Total lead content as specified in entry 63 of annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 2015/628.

Test Method: EPA 3050B:1996, EPA 3051A:2007, EPA 3052:1996, acid digestion/ microwave digestion method was used, analysis was performed by ICP-OES.

Test Item(s)	Unit	Limit	MDL	Result		
				1+2	3+4+5	6+7
Lead (Pb)	mg/kg	500	10	ND	ND	ND

#### **Remark:**

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Total Cadmium Content

Test Request: Total cadmium content as specified in Commission Regulation (EU) 2016/217 amending entry 23 of Annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: EPA 3050B:1996, EPA 3052:1996, EN 1122:2001 Method B, acid digestion method was used and total cadmium content was determined by ICP-OES.

Test Item(s)	Unit	Limit	MDL	Result	
				1+2	
Cadmium (Cd)	mg/kg	100	5		10

**Remark:**

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Phthalates Content

Test Request: Phthalates content as specified in entry 51&52 of annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Commission Regulation (EU) 2018/2005.

Test Method: EPA 3550C:2007, EPA 8270E:2018, solvent extraction and quantification by GC-MS.

Test Item(s)	CAS No.	Unit	Limit	MDL	Result	
					1+2	
Di-n-butyl phthalate (DBP)	84-74-2	%	-	0.005	ND	
Benzylbutyl phthalate (BBP)	85-68-7	%	-	0.005	ND	
Diethylhexyl phthalate (DEHP)	117-81-7	%	-	0.005	ND	
Di-iso-butyl phthalate (DIBP)	84-69-5	%	-	0.005	ND	
Sum of DEHP+DBP+BBP+DIBP	-	%	0.1	-	ND	
Di-n-octyl phthalate (DNOP)	117-84-0	%	-	0.005	ND	
Diisononyl phthalate (DINP)	28553-12-0	%	-	0.005	ND	
Diisodecyl phthalate (DIDP)	26761-40-0	%	-	0.005	ND	
Sum of DNOP, DINP, DIDP	-	%	0.1	-	ND	

### **Remarks:**

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

MDL = method detection limit

ND = Not detected less than MDL

"-=" Not Regulated

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Polycyclic Aromatic Hydrocarbons (PAHs)

Test Request: Polycyclic Aromatic Hydrocarbons (PAHs) content as specified in entry 50 of Annex XVII of REACH Regulation (EC) No 1907/2006 and its latest amendment.

Test Method: Solvent extraction and quantification by gas chromatography-mass selective detection (GC-MS) with respect to AfPS GS 2019:01 PAK.

Test Item(s)	CAS No.	Unit	Limit	MDL	Result	
					1+2	
Benzo(a)anthracene	56-55-3	mg/kg	1	0.1	ND	
Chrysene	218-01-9	mg/kg	1	0.1	ND	
Benzo(b)fluoranthene	205-99-2	mg/kg	1	0.1	ND	
Benzo(j)fluoranthene	205-82-3	mg/kg	1	0.1	ND	
Benzo(k)fluoranthene	207-08-9	mg/kg	1	0.1	ND	
Benzo(a)pyrene	50-32-8	mg/kg	1	0.1	ND	
Dibenzo(a,h)anthracene	53-70-3	mg/kg	1	0.1	ND	
Benzo(e)pyrene	192-97-2	mg/kg	1	0.1	ND	

**Remarks:**

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

\*\*\*END OF THE REPORT\*\*\*