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# Test Report

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Report No. : AGC05443221116-001

**SAMPLE NAME** : Manual hand fan  
**MODEL NAME** : IT3491  
**APPLICANT** : MID OCEAN BRANDS B.V  
**STANDARD(S)** : Please refer to the following page(s).  
**DATE OF ISSUE** : Nov. 17, 2022

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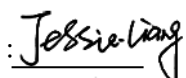
Applicant : MID OCEAN BRANDS B.V  
Address : 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.  
Test Site : 6/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

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

Sample Name : Manual hand fan  
Model : IT3491  
Vendor code : 114276  
Country of Origin : CHINA  
Country of Destination : EUROPE  
Sample Received Date : Nov. 15, 2022  
Testing Period : Nov. 15, 2022 to Nov. 17, 2022  
Test Requested : Selected test(s) as requested by client.

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

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 63 - Lead(Pb) Content	Pass
Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 23 -Cadmium(Cd) Content	Pass
Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 51&52 - Phthalates Content	Pass
Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 50 -Polycyclic-aromatic Hydrocarbons (PAHs) Content	Pass

Approved by : 

Liangdan, Jessie.Liang

Technical Director

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## Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	Nov. 17, 2022	Valid	Initial release

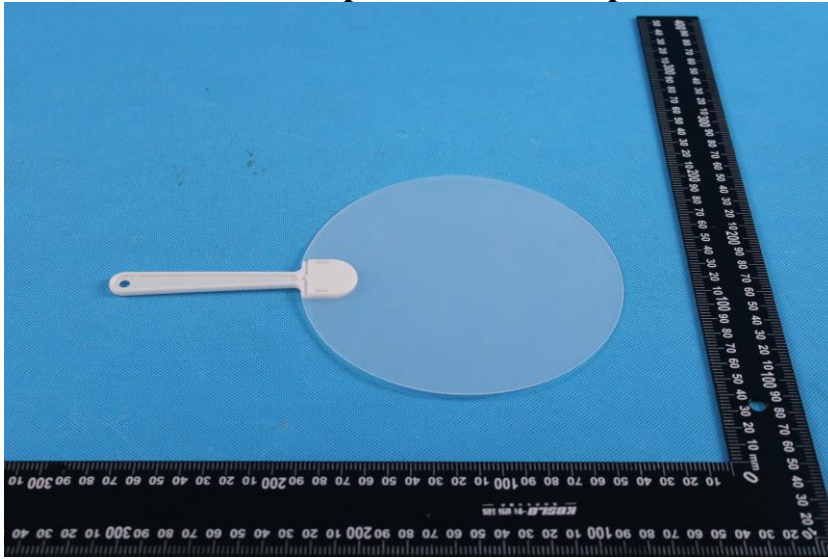
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**The photo of the sample**



The photo of AGC05443221116-001 is for use only with the original report.

**Test Point Description**

Test point	Test point description
1-1	White plastic fan+White plastic handle
1-2	White plastic fan
1-3	White plastic handle

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**Test Results:**

Note: N.D.=Not Detected (less than method detection limit), MDL = Method Detection Limit

%= percentage (W/W)

△= As specified by client, the submitted samples were mixed to test.

**Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 63**
**- Lead(Pb) Content**

Test Methods and Equipment: IEC 62321-5:2013; ICP-OES

Test Item(s)	Unit	Limit	MDL	Test Result(s)
				1-1
Lead(Pb)	mg/kg	500	10	N.D.
Conclusion				Conformity

**Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 23**
**-Cadmium(Cd) Content**

Test Methods and Equipment: IEC 62321-5:2013; ICP-OES

Test Item(s)	Unit	Limit	MDL	Test Result(s)
				1-1 <sup>△</sup>
Cadmium(Cd)	mg/kg	100	10	N.D.
Conclusion				Conformity

**Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 51&52**
**- Phthalates Content**

Test Methods and Equipment: EN 14372:2004; GC-MS

Test Item(s)	Unit	Limit	MDL	Test Result(s)
				1-1 <sup>△</sup>
Diisobutyl phthalate (DIBP) CAS:84-69-5	%	0.1	0.01	N.D.
Dibutyl phthalate (DBP) CAS:84-74-2	%	0.1	0.01	N.D.
Butylbenzyl phthalate (BBP) CAS:85-68-7	%	0.1	0.01	N.D.
Di-(2-ethylhexyl) Phthalate (DEHP) CAS:117-81-7	%	0.1	0.01	N.D.
Di-n-octyl phthalate (DNOP) CAS:117-84-0	%	/	0.01	N.D.
Di-isononyl phthalate (DINP) CAS:28553-12-0, 68515-48-0	%	/	0.01	N.D.
Di-isodecyl phthalate(DIDP) CAS:26761-40-0, 68515-49-1	%	/	0.01	N.D.
Sum of DIBP +DBP+BBP+DEHP	%	0.1	/	N.D.
Sum of DNOP+DINP+DIDP	%	0.1	/	N.D.
Conclusion				Conformity

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## Limit requirements of Phthalates

Toys and childcare articles	Each of DEHP, DBP, BBP, DIBP is less than 0.1% or the sum of DEHP+DBP+BBP+DIBP is less than 0.1%
Toys and childcare articles which can be placed in the mouth by children	DINP, DIDP, DNOP each less than 0.1%

Note: “\*”= As specified by client, this item is extra testing, this item is not included in above test requested.

**Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 50**
**-Polycyclic-aromatic Hydrocarbons (PAHs) Content**

Test Methods and Equipment: Afps GS 2019:01 PAK; GC-MS

Test Item(s)	Unit	Limit	MDL	Test Result(s)	
				1-2	1-3
Benzo[a]pyrene(BaP)	mg/kg	1	0.1	N.D.	N.D.
Benzo[e]pyrene(BeP)	mg/kg	1	0.1	N.D.	N.D.
Benzo[a]anthracene(BaA)	mg/kg	1	0.1	N.D.	N.D.
Benzo[b]fluoranthene(BbF)	mg/kg	1	0.1	N.D.	N.D.
Benzo[j]fluoranthene(BjFA)	mg/kg	1	0.1	N.D.	N.D.
Benzo[k]fluoranthene(BkF)	mg/kg	1	0.1	N.D.	N.D.
Chrysene(CHR)	mg/kg	1	0.1	N.D.	N.D.
Dibenzo[a,h]anthracene(DBA)	mg/kg	1	0.1	N.D.	N.D.
Conclusion				Conformity	Conformity

## Limit requirements of Polycyclic-aromatic Hydrocarbons (PAHs) (Unit: mg/kg)

Items	CAS No.	Extender oils or used for the production of tyres or parts of tyres	Any of their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity	Toys, including activity toys, and childcare articles, any of their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity
Benzo[a]pyrene(BaP)	50-32-8	≤ 1	≤ 1	≤ 0.5
Benzo[e]pyrene(BeP)	192-97-2	/	≤ 1	≤ 0.5
Benzo[a]anthracene(BaA)	56-55-3	/	≤ 1	≤ 0.5
Benzo[b]fluoranthene(BbF)	205-99-2	/	≤ 1	≤ 0.5
Benzo[j]fluoranthene(BjFA)	205-82-3	/	≤ 1	≤ 0.5
Benzo[k]fluoranthene(BkF)	207-08-9	/	≤ 1	≤ 0.5
Chrysene(CHR)	218-01-9	/	≤ 1	≤ 0.5

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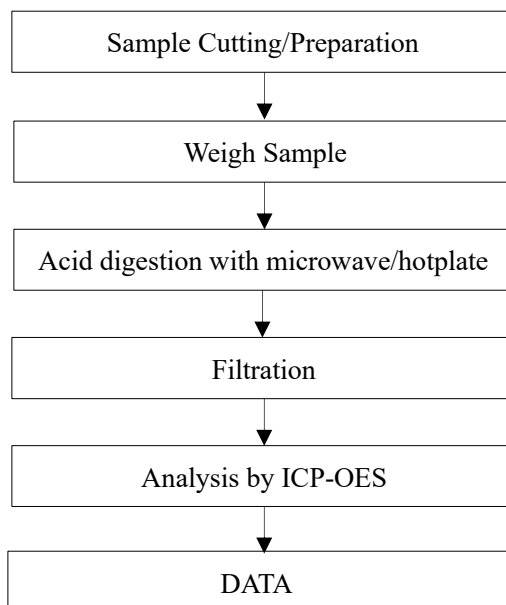
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Items	CAS No.	Extender oils or used for the production of tyres or parts of tyres	Any of their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity	Toys, including activity toys, and childcare articles, any of their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity
Dibenzo[a,h]anthracene(DBA)	53-70-3	/	$\leq 1$	$\leq 0.5$
Sum of BaP+ BeP+ BaA+ BbF+ BkFA+ BkF+ CHR+ DBA	/	$\leq 10$	/	/

### Test Flow Chart of Heavy Metal Content



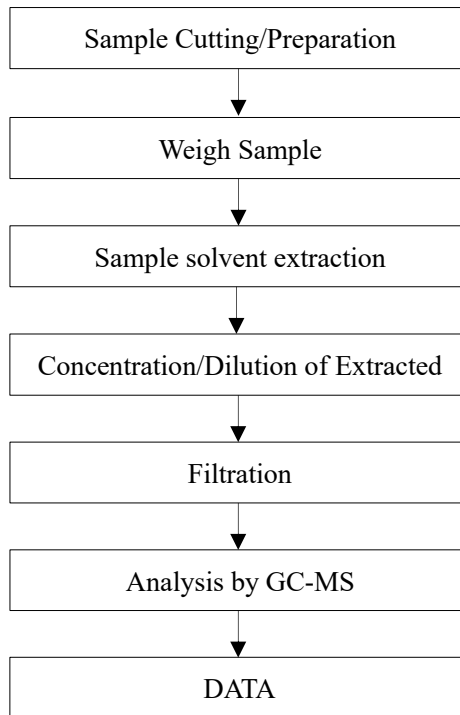
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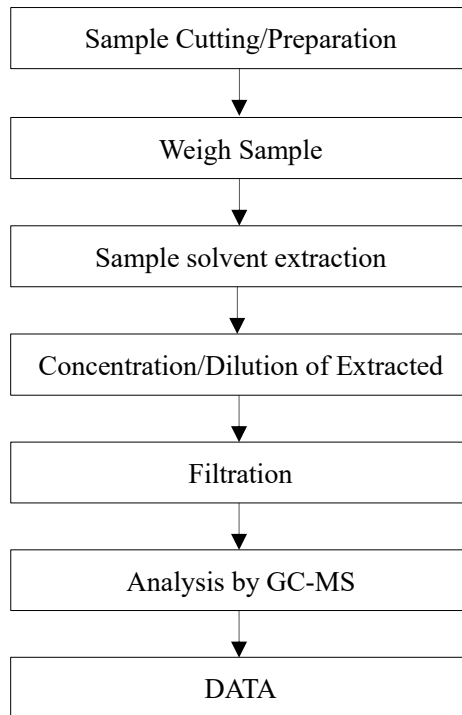
### Test Flow Chart of Phthalates



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### Test Flow Chart of Polycyclic-aromatic Hydrocarbons (PAHs)



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6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
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8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
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\*\*\* End of Report \*\*\*

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