

Test Report

Report No. : AGC05443230918-001

- **SAMPLE NAME** : RPET phone holder lanyard
- MODEL NAME : MO6925
- APPLICANT : MID OCEAN BRANDS B.V
- **STANDARD(S)** : Please refer to the following page(s).
- DATE OF ISSUE : Sep. 27, 2023

Attestation of Global Complance (Shenzhen) Std & Tech Co., Ltd.







: MID OCEAN BRANDS B.V

Report No.: AGC05443230918-001

: 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.

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	:	RPET phone holder lanyard
Model	:	MO6925
Vendor code	:	106613
Country of Origin	:	CHINA
Country of Destination	:	EUROPE
Sample Received Date	:	Sep. 18, 2023
Testing Period	:	Sep. 18, 2023 to Sep. 27, 2023
Test Requested	:	Selected test(s) as requested by client.

1 ...

Test Requested:

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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
Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 43 - Aromatic Amines Azodyes (AZO) Content	Pass
Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 27 - Nickel Release	Pass
- Colour fastness to rubbing	Pass

(TC)) 1007/000(

Approved by : Jessie ling

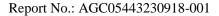
Liangdan, Jessie.Liang

Technical Director



Report No.: AGC05443230918-001

		Report Revise Record	1
Report Version	Issued Date	Valid Version	Notes
/	Sep. 27, 2023	Valid	Initial release





The photo of the sample



The photo of AGC05443230918-001 is for use only with the original report.

Test I onit Description	
Test point	Test point description
1-1	Black rope+Cloth brand
1-2	Black coating
1-3	Metal cap
1-4	Metal buckle
1-5	Metal hook
1-6	Black rope
1-7	Cloth brand
1-8	Metal square

Test Point Description



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

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	Unit Limit	MDL	Test Result(s)		
Test Item(s)	Unit	Lımıt	MDL	1-1	1-2	1-3
Lead(Pb)	mg/kg	500	10	N.D.	N.D.	25
Conclusion			Conformity	Conformity	Conformity	

Test Item(s)	Unit	Limit	MDL	Test Result(s)		
Test Item(s)	Unit	Limit	MDL	1-4	1-5	1-8
Lead(Pb)	mg/kg	500	10	22	19	26
Con	clusion			Conformity	Conformity	Conformity

Remark:

1. As specified by client, the submitted samples were mixed to test, the test points: 1-1

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)
Test tieni(s)	Unit	Liiiit	NIDL	1-2
Cadmium(Cd)	mg/kg	100	10	N.D.
Со	Conformity			



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

- Phthalates Content

Test Methods and Equipment: IEC 62321-8:2017; GC-MS

Test Item(s)	Unit	Limit	MDL	Test Result(s) 1-2
Diisobutyl phthalate (DIBP) CAS:84-69-5	%	0.1	0.005	N.D.
Dibutyl phthalate (DBP) CAS:84-74-2	%	0.1	0.005	N.D.
Butylbenzyl phthalate (BBP) CAS:85-68-7	%	0.1	0.005	N.D.
Di-(2-ethylhexyl) Phthalate (DEHP) CAS:117-81-7	%	0.1	0.005	N.D.
Di-n-octyl phthalate (DNOP) CAS:117-84-0	%	/	0.005	N.D.
Di-isononyl phthalate (DINP) CAS:28553-12-0, 68515-48-0	%	/	0.005	N.D.
Di-isodecyl phthalate(DIDP) CAS:26761-40-0, 68515-49-1	%	/	0.005	N.D.
Sum of DIBP +DBP+BBP+DEHP	%	0.1	/	N.D.
Sum of DNOP+DINP+DIDP	%	0.1	/	N.D.
Со	nclusion			Conformity

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	The sum of DINP+DIDP+DNOP is less than 0.1%

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
Benzo[a]pyrene(BaP)	mg/kg	1	0.1	N.D.
Benzo[e]pyrene(BeP)	mg/kg	1	0.1	N.D.
Benzo[a]anthracene(BaA)	mg/kg	1	0.1	N.D.
Benzo[b]fluoranthene(BbF)	mg/kg	1	0.1	N.D.
Benzo[j]fluoranthene(BjFA)	mg/kg	1	0.1	N.D.
Benzo[k]fluoranthene(BkF)	mg/kg	1	0.1	N.D.
Chrysene(CHR)	mg/kg	1	0.1	N.D.
Dibenzo[a,h]anthracene(DBA)	mg/kg	1	0.1	N.D.
Co	onclusion			Conformity



Remark:

- 1. As specified by client, the submitted samples were directly tested without drying, the test points: 1-2
- 2. Raw materials were sampled at the following test points: 1-2

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
Dibenzo[a,h]anthracene(DBA)	53-70-3	/	≤ 1	≤ 0.5
Sum of BaP+ BeP+ BaA+ BbF+ BjFA+ BkF+ CHR+ DBA	/	≤ 10	/	/

Limit requirements	of Polycyclic-ar	omatic Hydrocarbons		Unit: ma/ka)
Linni requirements	of Forycyclic-are	matic rivulocaloons	(FAHS) (Unit. mg/kg)



Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 43

- Aromatic Amines Azodyes (AZO) Content

Test Methods and Equipment: EN ISO 14362-1:2017; GC-MS

Test Item(s)	Unit	Limit	MDL	Test Result(s)
4-Aminobiphenyl CAS:92-67-1	mg/kg	30	5	N.D.
Benzidine CAS:92-87-5	mg/kg	30	5	N.D.
4-Chloro-o-toluidine CAS:95-69-2	mg/kg	30	5	N.D.
2-Naphthylamine CAS:91-59-8	mg/kg	30	5	N.D.
o-Aminoazotoluene CAS:97-56-3	mg/kg	30	5	N.D.
5-Nitro-o-toluidine CAS:99-55-8	mg/kg	30	5	N.D.
p-Chloroaniline CAS:106-47-8	mg/kg	30	5	N.D.
4-Methoxy-m-phenylenediamine CAS:615-05-4	mg/kg	30	5	N.D.
4,4'-Diaminodiphenylmethane CAS:101-77-9	mg/kg	30	5	N.D.
3,3'-Dichlorobenzidine CAS:91-94-1	mg/kg	30	5	N.D.
3,3'-Dimethoxybenzidine CAS:119-90-4	mg/kg	30	5	N.D.
3,3'-Dimethybenzidine CAS:119-93-7	mg/kg	30	5	N.D.
4,4'-Methylenedi-o-toluidine CAS:838-88-0	mg/kg	30	5	N.D.
p-Cresidine CAS:120-71-8	mg/kg	30	5	N.D.
4,4'-Methylenebis[2-chloroaniline] CAS:101-14-4	mg/kg	30	5	N.D.
4,4'-Oxydianiline CAS:101-80-4	mg/kg	30	5	N.D.
4,4'-Thiodianiline CAS:139-65-1	mg/kg	30	5	N.D.
2-Aminotoluene CAS:95-53-4	mg/kg	30	5	N.D.
2,4-Toluylendiamine CAS:95-80-7	mg/kg	30	5	N.D.
2,4,5-Trimethylaniline CAS:137-17-7	mg/kg	30	5	N.D.
o-Anisidine CAS:90-04-0	mg/kg	30	5	N.D.
4-Aminoazobenzene CAS:60-09-3	mg/kg	30	5	N.D.
C	Conclusion			Conformity



1. As specified by client, the submitted samples were mixed to test, the test points: 1-1

Note: 4-aminoazobenzene: The EN ISO 14362-1:2017 or ISO 17234-1:2020 methods will enable further cleavage of 4aminoazobenzene to aniline and / or 1,4-phenylenediamine. If aniline and / or 1,4-phenylenediamine are detected, 4aminoazobenzene shall be further determined by EN ISO 14362-3:2017 or ISO 17234-2:2011.

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 27

- Nickel Release

Test Methods and Equipment: EN 12472:2020 & EN 1811:2023; ICP-OES

Test Point(s)	Parallel Sample	Unit	Limit	MDL	Test Result(s) Nickel Release	Conclusion
	А	$\mu g \cdot cm^{-2} \cdot week^{-1}$	0.5	0.05	N.D.	
1-3	В	$\mu g \cdot cm^{-2} \cdot week^{-1}$	0.5	0.05	N.D.	Conformity
	С	$\mu g \cdot cm^{-2} \cdot week^{-1}$	0.5	0.05	N.D.	
	А	$\mu g \cdot cm^{-2} \cdot week^{-1}$	0.5	0.05	N.D.	
1-4	В	$\mu g \cdot cm^{-2} \cdot week^{-1}$	0.5	0.05	N.D.	Conformity
	С	$\mu g \cdot cm^{-2} \cdot week^{-1}$	0.5	0.05	N.D.	
	А	$\mu g \cdot cm^{-2} \cdot week^{-1}$	0.5	0.05	N.D.	
1-5	В	$\mu g \cdot cm^{-2} \cdot week^{-1}$	0.5	0.05	N.D.	Conformity
	С	$\mu g \cdot cm^{-2} \cdot week^{-1}$	0.5	0.05	N.D.	
	А	$\mu g \cdot cm^{-2} \cdot week^{-1}$	0.5	0.05	N.D.	
1-8	В	$\mu g \cdot cm^{-2} \cdot week^{-1}$	0.5	0.05	N.D.	Conformity
	С	$\mu g \cdot cm^{-2} \cdot week^{-1}$	0.5	0.05	N.D.	

Limit requirements of Nickel Release

Nickel Release				
Type of sample	Pass	Fail		
Article with Nickel release limit of	$<0.88\mu g \cdot cm^{-2} \cdot week^{-1}$	$\geq 0.88 \mu g \cdot cm^{-2} \cdot week^{-1}$		
0.5µg/cm ² /week (Non-body piercing)				
Article with Nickel release limit of	-0.25 -2 1-1	$\geq 0.35 \mu g \cdot cm^{-2} \cdot week^{-1}$		
0.2µg/cm ² /week (Body piercing)	$<0.35\mu g \cdot cm^{-2} \cdot week^{-1}$			



Test Method: ISO 105-X12:2016

Rubbing finger: Cylinder

The time of conditioning as well as the atmospheric conditions during testing: 21.5 °C, 65 %R.H., 4 hrs **The percentage of soak of wet rubbing cloth:** 95%~100%

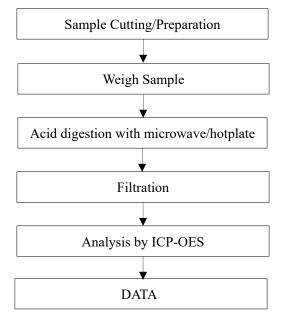
The long direction of the specimen: Endwise/ Crossrange

	Test I		
Test point	Colour fastness to	Conclusion	
	Dry rubbing	Wet rubbing	
1-6	4	4-5	Conformity
1-7	4-5	4-5	Conformity
Limit (Client's Requirement)	≥2-3	≥2-3	/

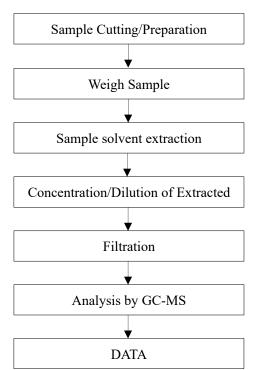
Note:

Colour Fastness Grade: Grade 5 = No Colour Change (Best Grade) Grade 1 = Colour Change Seriously (Bad Grade) 9 grades in gray sample card: 5, 4-5, 4, 3-4, 3, 2-3, 2, 1-2, 1.

Test Flow Chart of Heavy Metal Content

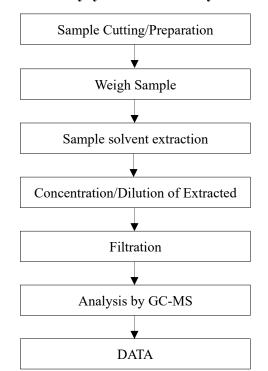






Test Flow Chart of Phthalates

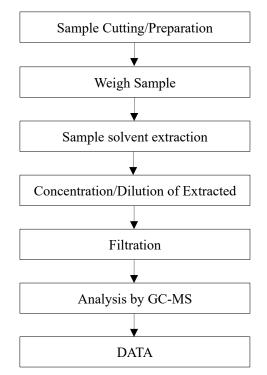




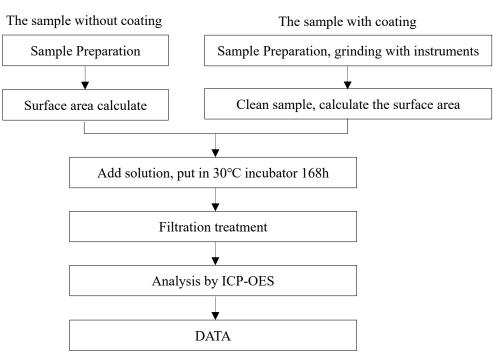
Test Flow Chart of Polycyclic-aromatic Hydrocarbons (PAHs)



Test Flow Chart of AZO







Test Flow Chart of Nickel Release



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3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.

4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.

5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.

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.7. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.

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.
9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

*** End of Report ***