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Test Report

Report No. CCTI-2023112810R

Date: Dec. 08, 2023

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Applicant : Anhui Aerospace & PMA Health Tech. Co., Ltd.

Address : No.1201 Huguang East Rd. Shushan District, Hefei City, Anhui Province

The submitted sample and sample information was/were submitted and identified by/on the behalf of the client

Sample name : Gravity MiHigh Back Wrap V2

Testing type /model : MHBW008

Additional type /model : N/A

Trademark : GRAVITY

Manufacturer name : Dezhou Aerospace&PMA Graphene Technology Co., Ltd.

Address : No.6596 Dongfanghong East Rd. Yuanqiao Town, Economic Development Zone, Dezhou City, Shandong Province

Sample received date : Nov. 27, 2023

Testing period : Nov. 27, 2023 to Dec. 08, 2023

Requested Item : PAHs

Test Requested : The Polycyclic Aromatic Hydrocarbons (PAHs) Content requirement of German Product Safety Commission GS Specification AfPS GS 2019:01 PAK, "Testing and Assessment of Polycyclic Aromatic Hydrocarbons (PAHs) in the award of the GS mark."

Test Method : With reference to test method mentioned in German AfPS GS 2019:01 PAK

Test Result(s) : Please refer to the following page(s)

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

Producer By :

Betty Liang

(Betty Liang / Engineer)

Date: Dec. 08, 2023

Authorized Signer :



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Tested Sample/Part Description:

Test Item(s)	Description
1	Black material
2	Black Plastic
3	Black rubber
4	Metal interface
5	On/Off Button
6	PCB
7	Tin
8	Black line
9	White line
10	Red line
11	Velcro
12	White glue
13	White material
14	Black cotton

中鉴检测
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Test Result(s):

◆ Polycyclic Aromatic Hydrocarbons (PAHs) Content – German Product Safety Commission GS Specification AfPS GS 2019:01 PAK.

Test Item(s)	Type	Result		Conclusion
		Detected Analyte(s)	Conc.(mg/kg)	
1	IIb	N.D.	N.D.	PASS
2	IIb	N.D.	N.D.	PASS
3	IIb	N.D.	N.D.	PASS
4	IIb	N.D.	N.D.	PASS
5	IIb	N.D.	N.D.	PASS
6	IIIb	N.D.	N.D.	PASS
7	IIIb	N.D.	N.D.	PASS
8	IIIb	N.D.	N.D.	PASS
9	IIIb	N.D.	N.D.	PASS
10	IIIb	N.D.	N.D.	PASS
11	IIb	N.D.	N.D.	PASS
12	IIIb	N.D.	N.D.	PASS
13	IIIb	N.D.	N.D.	PASS
14	IIIb	N.D.	N.D.	PASS

Note:

N.D. = Not Detected (< MDL) Conc. = Concentration

mg/kg = milligram per kilogram

Detection Limit (mg/kg): Each PAHs: 0.2; Sum of all PAHs: 0.2

Remark:

The list of polycyclic aromatic hydrocarbons is summarized in table of Appendix.

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APPENDIX:

List of Polycyclic Aromatic Hydrocarbons (PAHs) [German AfPS GS 2019:01 PAK] :						
Category		I	IIa	IIb	IIIa	IIIb
		Materials intended to be put in the mouth, or materials in toys according to the toy directive 2009/48/EC or materials in products for use of children up to three years with long-term intended skin contact (longer than 30s) according intended use	Materials not covered by category 1, with long-term skin contact (longer than 30s) or repeated short-term skin contact according intended use or foreseeable use		Materials not covered by category 1 or 2 with short-term skin contact (up to 30s) according intended use or foreseeable use	
			Use by children under 14	Other consumer products	Use by children under 14	Other consumer products
Name of Analyte(s)	CAS-No.	Limit ^[a] (mg/kg)				
Benzo (a) pyrene	50-32-8	0.2	0.2	0.5	0.5	1
Benzo (e) pyrene	192-97-2	0.2	0.2	0.5	0.5	1
Benzo (a) anthracene	56-55-3	0.2	0.2	0.5	0.5	1
Benzo (b) fluoranthene	205-99-2	0.2	0.2	0.5	0.5	1
Benzo (j) fluoranthene	205-82-3	0.2	0.2	0.5	0.5	1
Benzo (k) fluoranthene	207-08-9	0.2	0.2	0.5	0.5	1
Chrysene	218-01-9	0.2	0.2	0.5	0.5	1
Dibenzo (a,h) anthracene	53-70-3	0.2	0.2	0.5	0.5	1
Benzo (g,h,i) perylene	191-24-2	0.2	0.2	0.5	0.5	1
Indeno (1,2,3-cd) pyrene	193-39-5	0.2	0.2	0.5	0.5	1
Naphthalene	91-20-3	1	2	2	10	10
Phenanthrene	85-01-8	1 (Sum)	5 (Sum)	10 (Sum)	20 (Sum)	50 (Sum)
Pyrene	129-00-0					
Anthracene	120-12-7					
Fluoranthene	206-44-0					
Total 15 PAHs		1	5	10	20	50
CAS-No. = Chemical Abstracts Service registry number ^[a] denotes as this (these) limit(s) applies to product(s) with GS-Mark dated on or after July 01, 2020.						

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Photograph of Sample



Figure 1



Figure 2

**** End of Report ****

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