Test Report

Applicant	:	Guangzhou Camaz Intelligence Tech. Co.,Ltd
Address	:	2floor Building No.28, yiheng Road,Yadi Tech Park. Hetai,Road,Hebian Street, Jiahe Town,Baiyun District,510440, Guangzhou,China

Name of sample	:	Quantum Nano Scalar Energy Negative ion Patch
Receiving Date	:	Jul. 03, 2024
Test Date	:	Jul. 03, 2024-Jul. 10, 2024
Test Address	:	No.47-3, Industrial Road, Zhushan, Dalong Street, Panyu District, Guangzhou, Guangdong, China
Test Method(s)	:	Please refer to“Test Results”
Testing Item(s)	:	Pb, Cd, Hg, Cr (VI), PBBs, PBDEs, DEHP, DBP, BBP, DIBP
Decision Basis	:	RoHS Directive-2011/65/EU and Amendment (EU) 2015/863
Conclusion	:	Please refer to next page(s)

Signed for and on behalf of
Shenzhen United Testing Technology Co.,Ltd

Cheng Min

Cheng Min
Approved Signatory

Jul. 11, 2024
Issue Date

1、Conclusion

This sample(s) was tested according to applicant requirements. According to the test results, the conclusions are as follows:

Test Item(s)	Testing Standard(s)	Decision Basis	Conclusion
(Pb), (Cd), (Hg), (Cr), (Br)	IEC62321-3-1:2013	RoHS Directive-2011/65/EU and Amendment (EU) 2015/863	Pass
(Hg)	IEC 62321-4:2013 +A1:2017		Pass
(Pb), (Cd)	IEC 62321-5:2013		Pass
(PBBs), (PBDEs)	IEC 62321-6:2015		Pass
Cr (VI)	IEC 62321-7-2:2017		Pass
(DEHP), (DBP), (BBP), (DIBP)	IEC 62321-8:2017		Pass

2、Sample information(s)

The following information of sample(s) was/were submitted and identified by applicant:

Product Model	：	CMZ 1101, CMZ 1102 , CMZ 1103 , CMZ 1104 , CMZ 1105 , CMZ 1106 ,CMZ 1107
Color	：	Coffee color
Sample Quantity	：	6pcs
Manufacturer	：	Guangzhou Camaz Intelligence Tech. Co.,Ltd
Manufacturer Address	：	2nd Floor, No. 8, Shangshajing East Street, Yongxing Village, Taihe Town, Baiyun District, Guangzhou

3、Test Part Description

The sample(s) was/were disassembled according to IEC 62321-2:2021.

No.	Description	Material
M001	Brown patch (circular 34mm)	Composite material
M002	Brown patch (circular 28mm)	Composite material
M003	Brown patch (circular 26mm)	Composite material
M004	Brown patch (shield shaped)	Composite material
M005	Brown patch (square)	Composite material
M006	Brown patch (hexagonal)	Composite material
M007	White film	Polymer
M008	Transparent adhesive	Polymer

Notes:

1.This table is used to identify each test part of the Sample. Different descriptions in the "Description" column are only used to distinguish each test part. "Material" column are only gives a simple Description of the material of each test part, which does not mean that this is the result of a material identification.

2.The test articles (parts/material) is specified by the applicant.

4、Test Results

4.1 The method detection limit (MDL, mg/kg) for each element is as follows:

Test Item(s)	(Pb)	(Cd)	(Hg)	(Cr)	(Br)
MDL	10	10	10	10	50

The screening range of XRF for each element in different materials is as follows (mg/kg):

Element	Polymers	Metals	Composite material
(Pb)	BL≤(700-3δ)＜X＜(1300+3δ)≤OL	BL≤(700-3δ)＜X＜(1300+3δ)≤OL	BL≤(500-3δ)＜X＜(1500+3δ)≤OL
(Cd)	BL≤(70-3δ)＜X＜(130+3δ)≤OL	BL≤(70-3δ)＜X＜(130+3δ)≤OL	MDL＜X＜(150+3δ)≤OL
(Hg)	BL≤(700-3δ)＜X＜(1300+3δ)≤OL	BL≤(700-3δ)＜X＜(1300+3δ)≤OL	BL≤(500-3δ)＜X＜(1500+3δ)≤OL
(Cr)	BL≤700-3δ＜X	BL≤700-3δ＜X	BL≤500-3δ＜X
(Br)	BL≤300-3δ＜X	--	BL≤250-3δ＜X

Notes：

(a) It is the result on total Br while test on Restricted Substances is PBBs/PBDEs, It is result on total Cr while test item on restricted Substances is Cr(VI).

(b) Result are obtained by XRF for primary screening, and further chemical testing by ICP(for Cd, Pb, Hg),UV-VIS(for CrVI), and GC-MS(for PBBs, PBDEs) is recommended to be performed, if the concentration Exceeds the below warning value according to IEC 62321(unit: mg/kg).

(c) BL= Below limit, OL= Over Limit, IN=Inconclusive, LOD=Limit of Detection

(d) The XRF Screening test for RoHS elements- the reading may be different to the actual content in the Sample be of non-uniformity composition.

(e) With reference to RoHS Directive 2011/65/EU and Amendment (EU) 2015/863, The limit of Cadmium is 100 ppm, limit of lead is 1000 ppm, limit of Metal mercury 1000 ppm, limit of Hexavalent chromium is 1000 ppm, limit of PBBs are 1000 ppm, limit of PBDEs are 1000 ppm. The limit of DEHP, DBP, BBP and DIBP≤1000mg/kg (0.1%).

(f) "δ" is the standard deviation of analysis results.

(g) According to IEC 62321, result on Cr(VI) for metal sample is show as Positive/Negative, Negative= Absence of Cr(VI); Positive= Presence of Cr(VI) .

Part No.	Test Substance	Results of EDXRF(mg/kg)	Results of Wet Chemical Testing(mg/kg)	MDL(mg/kg)	Verdict
M001	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr^{6+})	ND	--	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	ND	50	Pass
	Benzylbutyl Phthalate (BBP)	--	ND	50	Pass
	Dibutyl Phthalate (DBP)	--	ND	50	Pass
	Diisobutyl phthalate (DIBP)	--	ND	50	Pass
M002	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr^{6+})	ND	--	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	ND	50	Pass
	Benzylbutyl Phthalate (BBP)	--	ND	50	Pass
	Dibutyl Phthalate (DBP)	--	ND	50	Pass
	Diisobutyl phthalate (DIBP)	--	ND	50	Pass

Part No.	Test Substance	Results of EDXRF(mg/kg)	Results of Wet Chemical Testing(mg/kg)	MDL(mg/kg)	Verdict
M003	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr^{6+})	ND	--	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	ND	50	Pass
	Benzylbutyl Phthalate (BBP)	--	ND	50	Pass
	Dibutyl Phthalate (DBP)	--	ND	50	Pass
	Diisobutyl phthalate (DIBP)	--	ND	50	Pass
M004	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr^{6+})	ND	--	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	ND	50	Pass
	Benzylbutyl Phthalate (BBP)	--	ND	50	Pass
	Dibutyl Phthalate (DBP)	--	ND	50	Pass
	Diisobutyl phthalate (DIBP)	--	ND	50	Pass

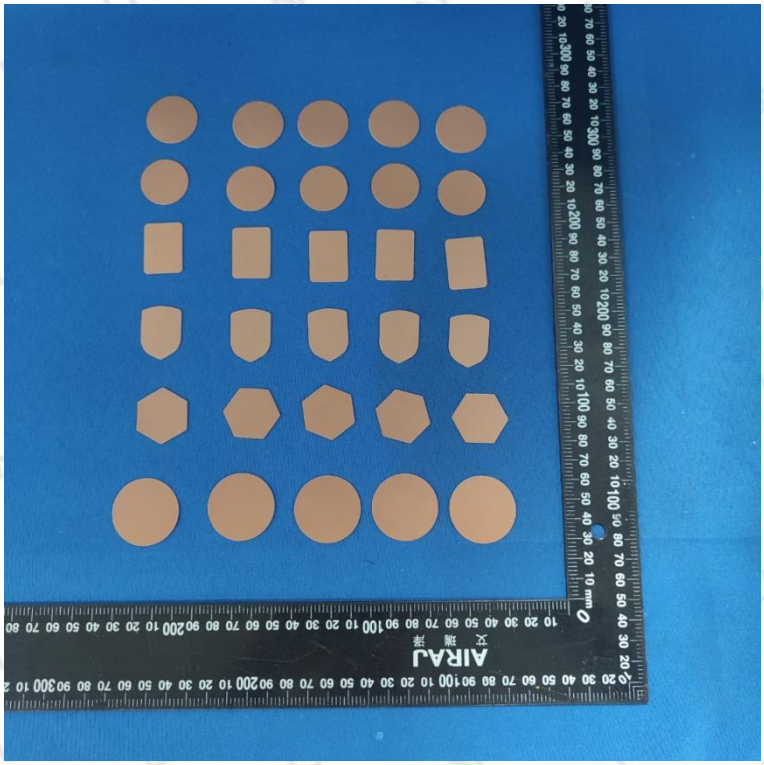
Part No.	Test Substance	Results of EDXRF(mg/kg)	Results of Wet Chemical Testing(mg/kg)	MDL(mg/kg)	Verdict
M005	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr^{6+})	ND	--	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	ND	50	Pass
	Benzylbutyl Phthalate (BBP)	--	ND	50	Pass
	Dibutyl Phthalate (DBP)	--	ND	50	Pass
	Diisobutyl phthalate (DIBP)	--	ND	50	Pass
M006	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr^{6+})	ND	--	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	ND	50	Pass
	Benzylbutyl Phthalate (BBP)	--	ND	50	Pass
	Dibutyl Phthalate (DBP)	--	ND	50	Pass
	Diisobutyl phthalate (DIBP)	--	ND	50	Pass

Part No.	Test Substance	Results of EDXRF(mg/kg)	Results of Wet Chemical Testing(mg/kg)	MDL(mg/kg)	Verdict
M007	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr^{6+})	ND	--	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	ND	50	Pass
	Benzylbutyl Phthalate (BBP)	--	ND	50	Pass
	Dibutyl Phthalate (DBP)	--	ND	50	Pass
	Diisobutyl phthalate (DIBP)	--	ND	50	Pass
M008	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr^{6+})	ND	--	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	ND	50	Pass
	Benzylbutyl Phthalate (BBP)	--	ND	50	Pass
	Dibutyl Phthalate (DBP)	--	ND	50	Pass
	Diisobutyl phthalate (DIBP)	--	ND	50	Pass

Remarks:

1) 1mg/kg = 0.0001%
2) ND= Not Detected(<MDL)
3) "--" =No Testing or blank.
4) NA= Not Applicable

5、Sample Photo(s)



Sample pictures are only used to inform the applicant that the samples received and tested in our laboratory are shown in the picture.

******End of Report******

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Certificate

Certificate Number:UNIB24070311HC-01

Certificate of Compliance

Product:	Quantum Nano Scalar Energy Negative ion Patch
Applicant:	Guangzhou Camaz Intelligence Tech. Co.,Ltd 2floor Building No.28, yiheng Road,Yadi Tech Park. Hetai,Road,Hebian Street,Jiahe Town,Baiyun District,510440, Guangzhou,China
Manufacturer:	Guangzhou Camaz Intelligence Tech. Co.,Ltd 2nd Floor, No. 8, Shangshajing East Street, Yongxing Village, Taihe Town, Baiyun District, Guangzhou
Model No.:	CMZ 1101, CMZ 1102 , CMZ 1103 , CMZ 1104 , CMZ 1105 , CMZ 1106 ,CMZ 1107
Trade Name:	N/A
Test Methods:	IEC 62321-2:2021, IEC 62321-3-1:2013, IEC 62321-4:2013 +A1:2017, IEC 62321-5:2013, IEC 62321-6:2015, IEC 62321-7-1:2015 IEC 62321-7-2:2017, IEC 62321-8:2017

The laboratory tested the product provided by the applicant according to the above test methods. According to the test results, the product conforms to RoHS Directive [(2011/65/EU and Amendment (EU) 2015/863)] issued by the European Commission. It is possible to use CE marking to demonstrate the compliance with RoHS Directive.

The certificate applies to the tested sample above mentioned only and shall not imply an assessment of the whole production. It is only valid in connection with the test report number:UNIB24070311HR-01.

Note: According to the requirements of the applicant for testing, details are shown in the test report.

RoHS

Jul. 11, 2024
Issue Date

Hoffer Lau

CE

Shenzhen United Testing Technology Co., Ltd.

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