TEST REPORT

REPORT NO. : (8825)252-0059
DATE : Oct 13, 2025
PAGE : 1 OF 16

Applicant Name:	**ZHIWEI ROBOTICS CORP.**
Applicant Address:	UNIT 01, 26/F, A1 SHANGHAI T & I TOWER, NO. 1699 ZHONGKE ROAD, PUDONG DISTRICT, SHANGHAI, P.R.CHINA
Date of Submission:	SEP 09, 2025
Test Period:	SEP 09, 2025 TO OCT 13, 2025
Sample Description:	SEN0638 GRAVITY: HUSKYLENS 2
Style No. :	SEN0638
Sample Size:	3

BUREAU VERITAS SHENZHEN CO.,LTD
DONGGUAN BRANCH

Lisa Bai
Analytical Lab Authorized Signatory

RT/ Olivia Yin

REMARK

If there are questions or concerns on this report, please contact the following persons:

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SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with its Amendment Directive (EU)2015/863	PASS	-

Photo of the Submitted Sample

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(8825)252-0059


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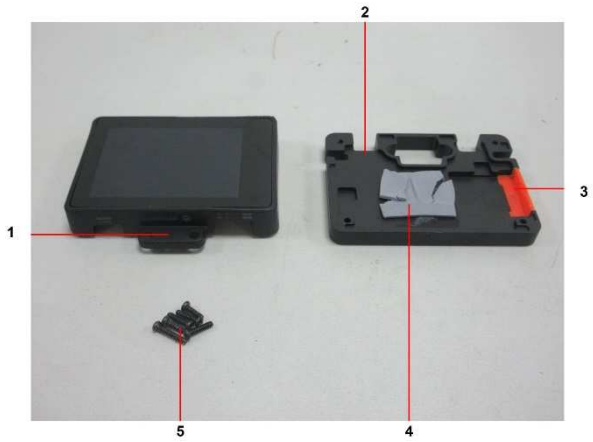
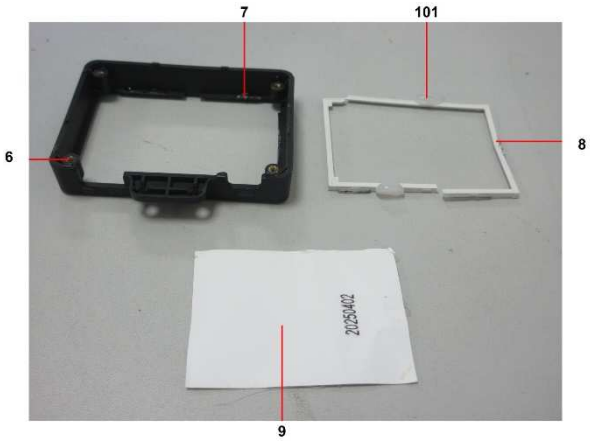
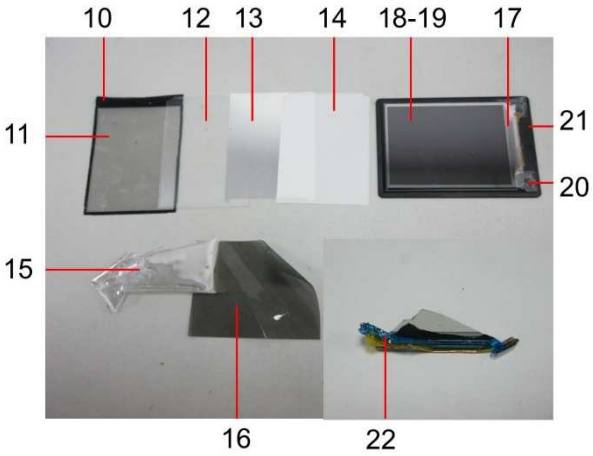
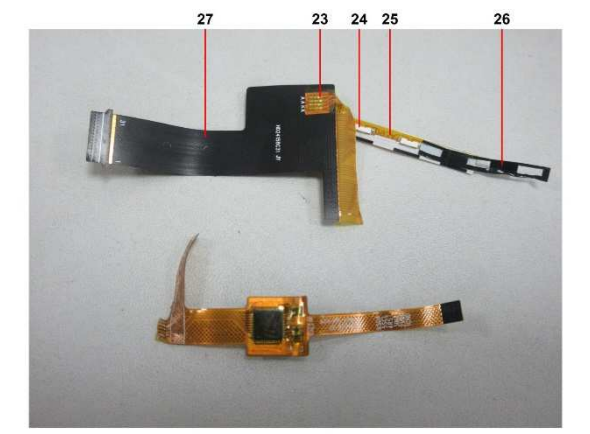
(8825)252-0059

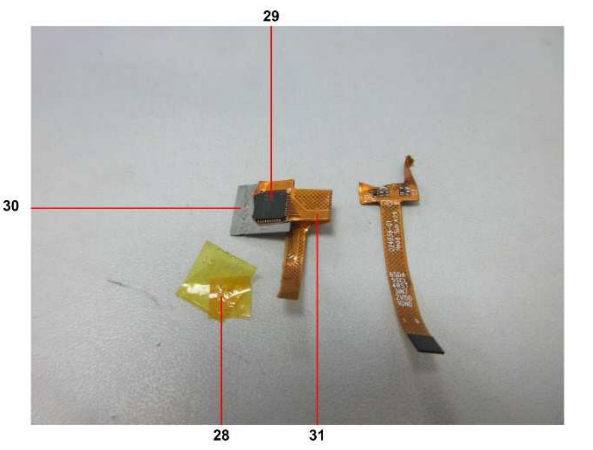
Photo of Test Item(s)











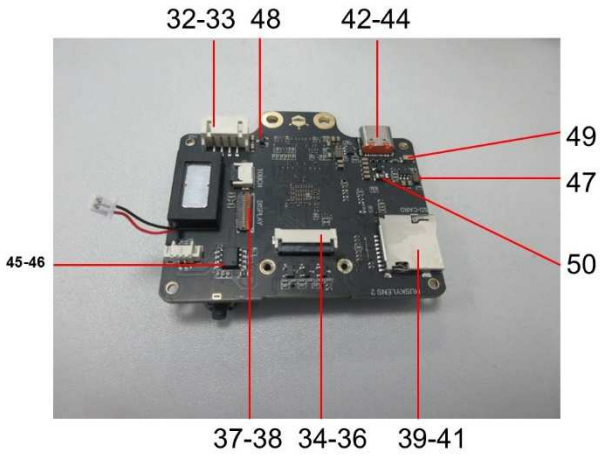
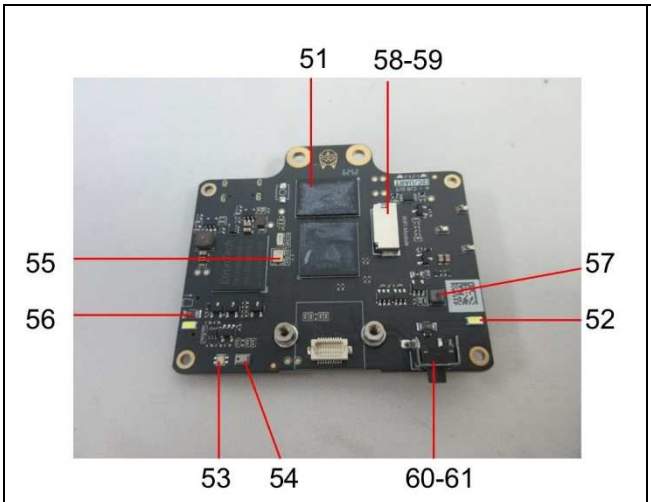
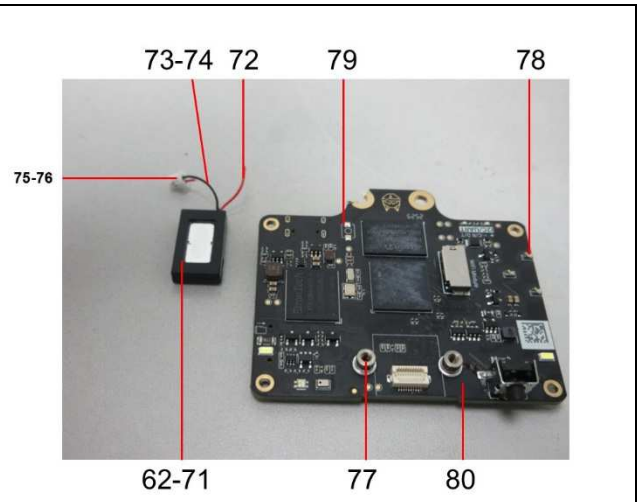
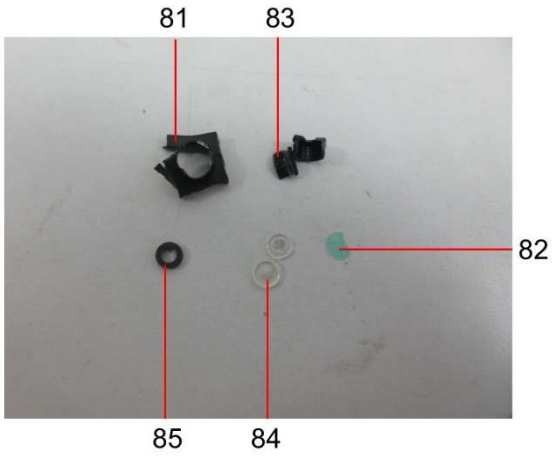
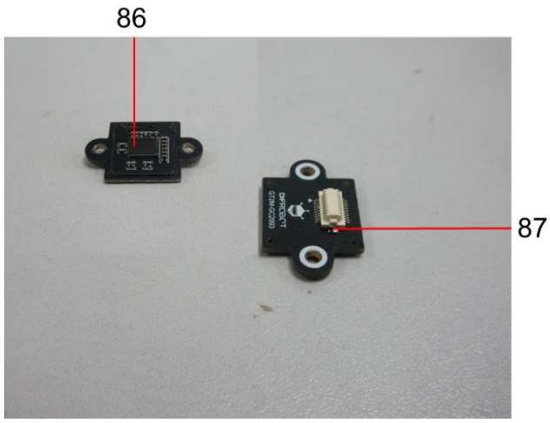


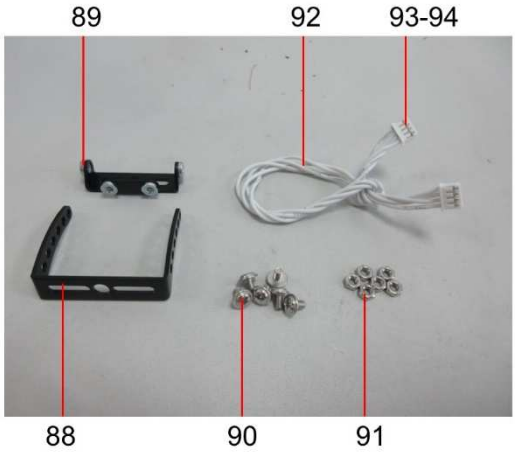
Photo of Test Item(s)

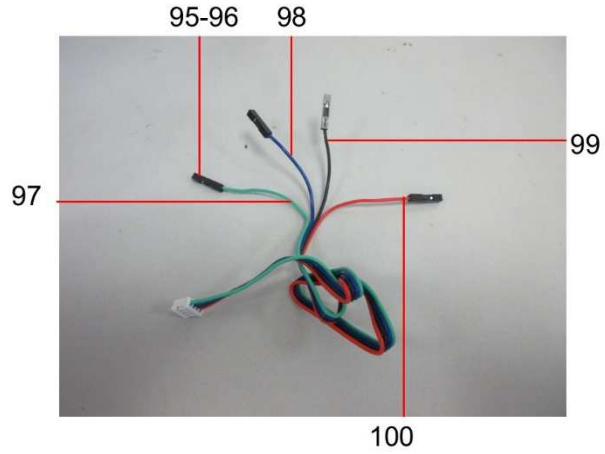












Component Description List

Test Item(s)	Component Description(s)	Location	Style(s)
1	Black plastic	Housing	-
2	Grey black plated silvery metal	Base, housing	-
3	Orange plastic	Frame, base, housing	-
4	Grey soft plastic	Gasket, base, housing	-
5	Black plated silvery metal	Screw	-
6	Golden metal	Nut, housing	-
7	Transparent glue	Glue, housing	-
8	White plastic	Frame, display screen	-
9	Black printed white plastic with adhesive	Diaphragm, display screen	-
10	Black plastic with adhesive	Adhesive tape, diaphragm, display screen	-
11	Silver/translucent plastic	Diaphragm, display screen	-
12	Transparent plastic	Board, display screen	-
13	Silver/translucent plastic	Diaphragm, display screen	-
14	White/translucent plastic	Diaphragm, display screen	-
15	Silver/translucent plastic with adhesive	Diaphragm, display screen	-
16	Black/translucent plastic with adhesive	Diaphragm, display screen	-
17	Transparent glass	Board, display screen	-
18	Black coated translucent glass	Display screen	-
19	Black/translucent plastic with adhesive	Diaphragm, display screen	-
20	Transparent plastic with adhesive	Diaphragm, display screen	-
21	Black coated transparent glass	Board, display screen	-
22	Blue/translucent glue	Glue, display screen	-
23	Silvery solder	Solder, FPC, display screen	-
24	White body	SMD LED, FPC, display screen	-
25	Brown FPC	FPC, display screen	-
26	Black/white plastic with adhesive	Adhesive tape, FPC, display screen	-
27	White/black printed brown FPC	FPC, display screen	-
28	Yellow/translucent plastic with adhesive	Adhesive tape, FPC, display screen	-
29	Black body	SMD IC, FPC, display screen	-
30	Silvery metal	Plate, FPC, display screen	-
31	Brown FPC	FPC, display screen	-
32	Beige plastic	Socket “100”, PCB	-
33	Silvery metal	Pin, socket “100”, PCB	-
34	Beige plastic	Socket, PCB	-
35	Black plastic	Socket, PCB	-
36	Silvery/coppery metal	Pin, socket, PCB	-

Test Item(s)	Component Description(s)	Location	Style(s)
37	Brown plastic	Socket “DISPLAY”, PCB	-
38	Black plastic	Socket “DISPLAY”, PCB	-
39	Silvery metal	Contact plate, SD card socket, PCB	-
40	Black plastic	Pin holder, SD card socket, PCB	-
41	Silvery metal	Spring, SD card socket, PCB	-
42	Silvery metal	Contact plate, type c plug, PCB	-
43	Silvery metal	Pin, type c plug, PCB	-
44	Orange plastic	Pin holder, type c plug, PCB	-
45	Black body	IC, PCB	-
46	Silvery/coppery metal	Plate, IC, PCB	-
47	Brown/coppery metal	Inductor, PCB	-
48	Black body	SMD transistor, PCB	-
49	Brown body	SMD capacitor, PCB	-
50	Black printed white body	SMD resistor, PCB	-
51	Black body	SMD IC, PCB	-
52	Yellow/white body	SMD LED, PCB	-
53	Beige body	SMD LED, PCB	-
54	Silvery body	SMD EC, PCB	-
55	Silvery/golden body	SMD EC, PCB	-
56	Black printed white body	SMD resistor, PCB	-
57	Black/coppery metal	Inductor, PCB	-
58	Black plastic	Socket, PCB	-
59	Silvery metal	Socket, PCB	-
60	Black plastic	Touch switch, PCB	-
61	Silvery metal	Touch switch, PCB	-
62	Black plastic	Case, speaker, PCB	-
63	Black foam with adhesive	Base, speaker, PCB	-
64	Black plastic	Frame, speaker, PCB	-
65	Silver/transparent plastic	Diaphragm, speaker, PCB	-
66	Coppery metal	Coil, speaker, PCB	-
67	Silvery metal	Frame, speaker, PCB	-
68	Silvery metal	Plate, magnet, speaker, PCB	-
69	Silvery magnet	Magnet, speaker	-
70	Silvery metal	Base, magnet, speaker, PCB	-
71	Silvery solder	Solder, speaker, PCB	-
72	Red PVC	Wire insulation, cable, speaker, PCB	-
73	Black PVC	Wire insulation, cable, speaker, PCB	-
74	Silvery metal	Wire, cable, speaker, PCB	-
75	White plastic	Socket, speaker, PCB	-

Test Item(s)	Component Description(s)	Location	Style(s)
76	Silvery metal	Pin, socket, speaker, PCB	-
77	Silvery metal	Nut, PCB	-
78	Silvery/golden metal	Plate, PCB	-
79	Silvery solder	Solder, PCB	-
80	Black/coppery PCB	PCB	-
81	Black plastic	Case, camera	-
82	Transparent glass	Filter, camera	-
83	Black plastic	Barrel, camera	-
84	Transparent plastic	Filter, camera	-
85	Black plated silvery metal	Ring, camera	-
86	Iridescent body	Sensor, PCB, camera	-
87	Silvery solder	Solder, PCB, camera	-
88	Black printed silvery metal	Holder	-
89	Silvery metal	Nut, holder	-
90	Silvery metal	Screw, holder	-
91	Silvery metal	Nut, holder	-
92	White soft plastic	Wire insulation, cable	-
93	White plastic	Socket, cable	-
94	Silvery metal	Pin, socket, cable	-
95	Black plastic	Socket, cable	-
96	Silvery metal	Pin, socket, cable	-
97	Green PVC	Wire insulation, cable	-
98	Blue PVC	Wire insulation, cable	-
99	Black PVC	Wire insulation, cable	-
100	Red PVC	Wire insulation, cable	-
101	White/translucent glue	Glue, housing	-

TEST RESULT

Heavy Metals and Flame Retardants Content – European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with its Amendment Directive 2015/863/EU

Test Method:See Appendix.

Parameter	Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs	PBDEs	
Limit	<1000	<100	<1000	<1000	<1000	<1000	

Parameter	Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs	PBDEs	Conclusion
Sample	Result (mg/kg)						
1	BL	BL	BL	BL	BL	BL	PASS
2	BL	BL	BL	BL	NA	NA	PASS
3	BL	BL	BL	BL	BL	BL	PASS
4	BL	BL	BL	BL	BL	BL	PASS
5	BL	BL	BL	BL	NA	NA	PASS
6	25320*	BL	BL	BL	NA	NA	EXEMPTED#
7	BL	BL	BL	BL	BL	BL	PASS
8	BL	BL	BL	BL	BL	BL	PASS
9	BL	BL	BL	BL	BL	BL	PASS
10	BL	BL	BL	BL	BL	BL	PASS
11	BL	BL	BL	BL	BL	BL	PASS
12	BL	BL	BL	BL	BL	BL	PASS
13	BL	BL	BL	BL	BL	BL	PASS
14	BL	BL	BL	BL	BL	BL	PASS
15	BL	BL	BL	BL	BL	BL	PASS
16	BL	BL	BL	BL	BL	BL	PASS
17	BL	BL	BL	BL	NA	NA	PASS
18	BL	BL	BL	BL	NA	NA	PASS
19	BL	BL	BL	BL	BL	BL	PASS
20	BL	BL	BL	BL	BL	BL	PASS
21	BL	BL	BL	BL	NA	NA	PASS
22	BL	BL	BL	BL	BL	BL	PASS
23	BL	BL	BL	BL	NA	NA	PASS
24	BL	BL	BL	BL	BL	BL	PASS

25	BL	BL	BL	BL	BL	BL	PASS
26	BL	BL	BL	BL	BL	BL	PASS
27	BL	BL	BL	BL	BL	BL	PASS
28	BL	BL	BL	BL	BL	BL	PASS
29	BL	BL	BL	BL	BL	BL	PASS
30	BL	BL	BL	Negative*	NA	NA	PASS
31	BL	BL	BL	BL	BL	BL	PASS
32	BL	BL	BL	BL	BL	BL	PASS
33	BL	BL	BL	BL	NA	NA	PASS
34	BL	BL	BL	BL	BL	BL	PASS
35	BL	BL	BL	BL	BL	BL	PASS
36	BL	BL	BL	BL	NA	NA	PASS
37	BL	BL	BL	BL	BL	BL	PASS
38	BL	BL	BL	BL	BL	BL	PASS
39	BL	BL	BL	Negative*	NA	NA	PASS
40	BL	BL	BL	BL	BL	BL	PASS
41	BL	BL	BL	Negative*	NA	NA	PASS
42	BL	BL	BL	Negative*	NA	NA	PASS
43	BL	BL	BL	BL	NA	NA	PASS
44	BL	BL	BL	BL	BL	BL	PASS
45	BL	BL	BL	BL	BL	BL	PASS
46	BL	BL	BL	BL	NA	NA	PASS
47	BL	BL	BL	Negative*	NA	NA	PASS
48	BL	BL	BL	BL	BL	BL	PASS
49	BL	BL	BL	BL	BL	BL	PASS
50	BL	BL	BL	BL	BL	BL	PASS
51	BL	BL	BL	BL	BL	BL	PASS
52	BL	BL	BL	BL	BL	BL	PASS
53	BL	BL	BL	BL	BL	BL	PASS
54	BL	BL	BL	BL	BL	BL	PASS
55	BL	BL	BL	BL	BL	BL	PASS
56	BL	BL	BL	BL	BL	BL	PASS
57	BL	BL	BL	BL	NA	NA	PASS
58	BL	BL	BL	BL	BL	BL	PASS
59	BL	BL	BL	Negative*	NA	NA	PASS
60	BL	BL	BL	BL	BL	BL	PASS
61	BL	BL	BL	BL	NA	NA	PASS
62	BL	BL	BL	BL	BL	BL	PASS

63	BL	BL	BL	BL	BL	BL	PASS
64	BL	BL	BL	BL	BL*	BL*	PASS
65	BL	BL	BL	BL	BL	BL	PASS
66	BL	BL	BL	BL	NA	NA	PASS
67	BL	BL	BL	BL	NA	NA	PASS
68	BL	BL	BL	BL	NA	NA	PASS
69	BL	BL	BL	BL	NA	NA	PASS
70	BL	BL	BL	BL	NA	NA	PASS
71	BL	BL	BL	BL	NA	NA	PASS
72	BL	BL	BL	BL	BL	BL	PASS
73	BL	BL	BL	BL	BL	BL	PASS
74	BL	BL	BL	BL	NA	NA	PASS
75	BL	BL	BL	BL	BL	BL	PASS
76	BL	BL	BL	BL	NA	NA	PASS
77	25080*	BL	BL	BL	NA	NA	EXEMPTED#
78	BL	BL	BL	Negative*	NA	NA	PASS
79	BL	BL	BL	BL	NA	NA	PASS
80	BL	BL	BL	BL	BL*	BL*	PASS
81	BL	BL	BL	BL	BL	BL	PASS
82	BL	BL	BL	BL	NA	NA	PASS
83	BL	BL	BL	BL	BL	BL	PASS
84	BL	BL	BL	BL	BL	BL	PASS
85	23420*	BL	BL	BL	NA	NA	EXEMPTED#
86	BL	BL	BL	BL	BL	BL	PASS
87	BL	BL	BL	BL	NA	NA	PASS
88	BL	BL	BL	Negative*	NA	NA	PASS
89	BL	BL	BL	BL	NA0	NA	PASS
90	BL	BL	BL	Negative*	NA	NA	PASS
91	BL	BL	BL	Negative*	NA	NA	PASS
92	BL	BL	BL	BL	BL	BL	PASS
93	BL	BL	BL	BL	BL	BL	PASS
94	BL	BL	BL	BL	NA	NA	PASS
95	BL	BL	BL	BL	BL	BL	PASS
96	BL	BL	BL	BL	NA	NA	PASS
97	BL	BL	BL	BL	BL	BL	PASS
98	BL	BL	BL	BL	BL	BL	PASS
99	BL	BL	BL	BL	BL	BL	PASS
100	BL	BL	BL	BL	BL	BL	PASS

101	BL	BL	BL	BL	BL	BL	PASS

Note / Key:

ND = Not detected ">" = Greater than "<" = Less than
NR = Not requested mg/kg = milligram(s) per kilogram = ppm = part(s) per million
NA = Not applicable % = percent 10000 mg/kg = 1 %
BL = Below limit OL = Over limit
Detection Limit : See Appendix.

Remark:

- *Denotes as reported result(s) was (were) performed by wet chemistry method. Others were screened by XRF. For XRF screening, the result(s) of Cr VI was (were) reported as total chromium and the result(s) of PBBs and PBDEs was (were) reported as total bromine. Also, the XRF result(s) may be different to the actual content based on various factors including, but not limit to, sample size, thickness, area, non-uniformity composition, surface flatness.
- *Result(s) of Cr VI for metallic material(s) was (were) expressed in term of positive and negative. Negative means the absence of Cr VI on the tested areas and the result(s) was (were) regarded as in compliance with European Council Directive 2011/65/EU, Article 4(1). While, positive means the presence of Cr VI on tested areas and the result(s) was (were) regarded as in conflict with European Council Directive 2011/65/EU, Article 4(1).
- According to European Council Directive 2011/65/EU, Article 5 "Adaptation of the Annexes to scientific and technical progress", exemption(s) should be granted to the materials and components of Test Item(s) in the lists in Annexes III and IV of this directive.
- #According to Annex III of European Council Directive 2011/65/EU, exemptions were granted a few materials and Clause 6(c) is reiterated here "Copper alloy containing up to 4 % lead by weight". Test Item(s) 6.77.85 was (were) claimed as is by client (received as is). Therefore, this (these) Test Item(s) containing the found lead level should be exempted.

APPENDIX

List of Analytes and their Corresponding Test Methods, Detection Limit and Maximum Allowable Limit
[Compliance Test for European Parliament and Council Directive 2011/65/EU] :

No.	Name of Analytes	Detection Limit (mg/kg)				Maximum Allowable Limit (mg/kg)
		X-ray fluorescence (XRF)[a]			Wet Chemistry	
		Plastic	Metallic / glass / ceramic	Others		
1	Lead (Pb)	100	200	200	10[b]	1000
2	Cadmium (Cd)	50	50	50	10[b]	100
3	Mercury (Hg)	100	200	200	10[c]	1000
4	Chromium (Cr)	100	200	200	NA	NA
5	Chromium VI (Cr VI)	NA	NA	NA	3[g, h] / 10[d] / See [e, j]	1000 / Negative[j]
6	Bromine (Br)	200	NA	200	NA	NA
7	Polybromobiphenyls (PBBs) - Bromobiphenyl (MonoBB) - Dibromobiphenyl (DiBB) - Tribromobiphenyl (TriBB) - Tetrabromobiphenyl (TetraBB) - Pentabromobiphenyl (PentaBB) - Hexabromobiphenyl (HexaBB) - Heptabromobiphenyl (HeptaBB) - Octabromobiphenyl (OctaBB) - Nonabromobiphenyl (NonaBB) - Decabromobiphenyl (DecaBB)	NA	NA	NA	Each 50[f]	Sum 1000
8	Polybromodiphenyl ethers (PBDEs) - Bromodiphenyl ether (MonoBDE) - Dibromodiphenyl ether (DiBDE) - Tribromodiphenyl ether (TriBDE) - Tetrabromodiphenyl ether (TetraBDE) - Pentabromodiphenyl ether (PentaBDE) - Hexabromodiphenyl ether (HexaBDE) - Heptabromodiphenyl ether (HeptaBDE) - Octabromodiphenyl ether (OctaBDE) - Nonabromodiphenyl ether (NonaBDE) - Decabromodiphenyl ether (DecaBDE)	NA	NA	NA	Each 50[f]	Sum 1000

List of Analytes and their Corresponding Test Methods, Detection Limit and Maximum Allowable Limit [Compliance Test for European Parliament and Council Directive 2011/65/EU] :

	NA = Not applicable
[a]	Test method with reference to International Standard IEC 62321-3-1: 2013.
[b]	Test method with reference to International Standard IEC 62321-5: 2014.
[c]	Test method with reference to International Standard IEC 62321-4:2014+A1:2017.
[d]	Polymers and Electronics - Test method with reference to International Standard IEC 62321-7-2:2017.
[e]	Metal - Test method with reference to International Standard IEC 62321-7-1: 2015.
[f]	Test method with reference to International Standard IEC 62321-6: 2015.
[g]	Leather - Test method International Standard ISO 17075-1:2017.
[h]	Other Than Metal, Leather, Polymers and Electronics - Test method with reference to International Standard ISO 17075-1:2017.
[i]	The principle of this method was evaluated and supported by two studies organized by IEC TC 111 WG3. These studies were focused on detecting the presence of Cr VI in the corrosion protection coatings on metallic samples.
[j]	Result(s) of Cr VI for metallic material(s) was (were) expressed in term of positive and negative. Negative means the absence of Cr VI on the tested areas and the result(s) was (were) regarded as in compliance with European Parliament and Council Directive 2011/65/EU, Article 4(1). While, positive means the presence of Cr VI on tested areas and the result(s) was (were) regarded as in conflict with European Parliament and Council Directive 2011/65/EU, Article 4(1).

Testing Approach [Compliance Test for European Parliament and Council Directive 2011/65/EU] :

The testing approach was with reference to the following document(s).

1	International Standards IEC 62321-1: 2013 and IEC 62321-2: 2021
2	“RoHS Enforcement Guidance Document Version 1” by EU RoHS Enforcement Authorities Informal Network. (May 2006)
3	“RoHS Regulations - Government Guidance Notes” by United Kingdom Department for Business Innovation & Skills. (February 2011)
4	“Final Report to RoHS substances (Hg, Pb, Cr(VI), Cd, PBB and PBDE) in electrical and electronic equipment in Belgium” by Belgium Federal Public Service Health, Food Chain Safety and Environment. (November 2005)

TEST RESULT

Phthalates(BBP/DBP/DEHP/DIBP) Content – European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with its Amendments Directive 2015/863/EU

Test Method : With reference to International Standard IEC 62321-8:2017

Parameter	**Unit**	**Result**				**Limit**
		1 + 3 + 8 + 9 + 10	4	7 + 22 + 101	11 + 12 + 13 + 14 + 15	
BBP	mg/kg	ND	ND	ND	ND	<1000
DBP	mg/kg	ND	ND	ND	ND	<1000
DEHP	mg/kg	ND	ND	ND	ND	<1000
DIBP	mg/kg	ND	ND	ND	ND	<1000
Conclusion	-	PASS	PASS	PASS	PASS	-

Parameter	**Unit**	**Result**				**Limit**
		16 + 19 + 20 + 26 + 28	24 + 29 + 45 + 48 + 49	25 + 27 + 31 + 80	32 + 34 + 35 + 37 + 38	
BBP	mg/kg	ND	ND	ND	ND	<1000
DBP	mg/kg	ND	ND	ND	ND	<1000
DEHP	mg/kg	ND	ND	ND	ND	<1000
DIBP	mg/kg	ND	ND	ND	ND	<1000
Conclusion	-	PASS	PASS	PASS	PASS	-

Parameter	**Unit**	**Result**				**Limit**
		40 + 44 + 58 + 60 + 62	50 + 51 + 52 + 53	54 + 55 + 56 + 86	63	
BBP	mg/kg	ND	ND	ND	ND	<1000
DBP	mg/kg	ND	ND	ND	ND	<1000
DEHP	mg/kg	ND	ND	ND	90	<1000
DIBP	mg/kg	ND	ND	ND	ND	<1000
Conclusion	-	PASS	PASS	PASS	PASS	-

TEST RESULT

Parameter	Unit	Result				Limit
		64 + 65 + 75 + 81	72 + 73 + 97	83 + 84 + 93 + 95	92	
BBP	mg/kg	ND	ND	ND	ND	<1000
DBP	mg/kg	ND	ND	ND	ND	<1000
DEHP	mg/kg	ND	ND	ND	ND	<1000
DIBP	mg/kg	ND	ND	ND	ND	<1000
Conclusion	-	PASS	PASS	PASS	PASS	-

Parameter	Unit	Result	Limit
		98 + 99 + 100	
BBP	mg/kg	ND	<1000
DBP	mg/kg	ND	<1000
DEHP	mg/kg	ND	<1000
DIBP	mg/kg	ND	<1000
Conclusion	-	PASS	-

Note / key:

BBP = Butyl benzyl phthalate (CAS No: 85-68-7)
DBP = Dibutyl phthalate (CAS No: 84-74-2)
DEHP = Di(2-ethylhexyl) phthalate (CAS No: 117-81-7)
DiBP = Diisobutyl phthalate (CAS No: 84-69-5)
ND = Not detected % = percent 10000 mg/kg = 1 %
BL = Below limit OL = Over limit
mg/kg = milligram(s) per kilogram
Detection Limit (%) : Each 0.005
* denotes as reported result(s) was (were) performed by wet chemistry method.

Remark:

- The amendment will be effective on 22 July 2019. For medical devices and control instruments, effective date will be 22 July 2021.
- The composite test sample(s) of the submitted samples was prepared in the manner requested by the client, when subject to the test performed.

*** End of Report ***