



Test Report

Applicant : Zhiwei Robotics Corp.

Address : Room 603, 2 Boyun Road, Pudong, Shanghai, China

Report on the submitted samples said to be:

Sample Name(s) : Gravity: HUSKYLENS

Trade Mark : HUSKYLENS

Part No. : SEN0305

Sample Received Date : March 30, 2024

Testing Period : March 30, 2024 ~ April 03, 2024

Date of Report : April 08, 2024

Testing Location : 901, No.40 Building, Xialang Industrial Zone, Heshuikou Community,

Matian Street, Guangming District, Shenzhen, Guangdong, China

Results : Please refer to next page(s).

TEST REQUEST	CONCLUSION
As specified by client, based on the performed tests on submitted sample, the result of	
Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), PBBs, PBDEs,	
Dibutyl Phthalate(DBP), Butylbenzyl Phthalate(BBP), Di-2-ethylhexyl	PASS
Phthalate(DEHP) and Diisobutyl phthalate(DIBP) content comply with the limits set by	
RoHS Directive 2011/65/EU with amendment (EU) 2015/863.	三国校测度 份

Signed for and on behalf of LCS

Report No.: LCSA03274067R

Terry Luo





A. EU RoHS Directive 2011/65/EU and its amendment directives

Test method: Refer to IEC 62321-1:2013&IEC 62321-2:2021&IEC 62321-3-1:2013, Screening by X-ray Fluorescence Spectroscopy (XRF).

Test result(s):

Campla	Cample		Date of sample					
Sample No.	Sample Description	Cd Pb		***	Cr▼	Br▼		submission/
		Cu	d Pb Hg	Cr	PBBs	PBDEs	Resubmission	
1	Black metal frame	BL	BL	BL	BL	/	/	2024-03-30
2	Silver metal ring	BL	BL	BL	BL	/	/	2024-03-30
3	Silver metal screw	BL	BL	BL	BL	/	/江洲	2024-03-30
4	Silver metal nut	BL	BL	BL	BL	/	Jed res	2024-03-30
5	Green plastic wire skin	BL	BL	BL	BL	BL	BL	2024-03-30
6	Blue plastic wire skin	BL	BL	BL	BL	BL	BL	2024-03-30
7	Black plastic wire leather	BL	BL	BL	BL	BL	BL	2024-03-30
8	Red plastic wire skin	BL	BL	BL	BL	BL	BL	2024-03-30
9	Silver metal wire core	BL	BL	BL	BL	/	/	2024-03-30
10	Black plastic terminal	BL	BL	BL	BL	BL	BL	2024-03-30
LC41esti	Silver metal contacts	BL	BL	BL	BL	/	/	2024-03-30
12	White plastic terminals	BL	BL	BL	BL	BL	BL	2024-03-30
13	Silver metal contacts	BL	BL	BL	BL	/	/	2024-03-30
14	Black glass screen	BL	BL	BL	BL	BL	BL	2024-03-30
15	Black metal frame	BL	BL	BL	BL	/	/	2024-03-30
16	Gold metal shell	BL	BL	BL	BL	/	/	2024-03-30
17	Black plastic block	BL	BL	BL	BL	BL	BL	2024-03-30
18	Gold metal contacts	BL	BL	BL	BL	/	/	2024-03-30
19	Black plastic sheet	BL	BL	BL	BL	BL	BL	2024-03-30
20	White plastic interface	BL	BL	BL	BL	BL	BLCS	2024-03-30
21	Silver metal contacts	BL	BL	BL	BL	/	/	2024-03-30
22	Beige plastic interface	BL	BL	BL	BL	BL	BL	2024-03-30
23	Silver metal stylus	BL	BL	BL	BL	/	/	2024-03-30
24	Silver metal sheet	BL	BL	BL	BL	/	/	2024-03-30
25	Black plastic seat	BL	BL	BL	BL	BL	BL	2024-03-30
26	Gold metal contacts	BL	BL	BL	BL	/	/	2024-03-30
27	Silver metal sheet	BL	份BL	BL	BL	en es la	/	2024-03-30



Shenzhen LCS Compliance Testing Laboratory Ltd.

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Till Testin	Cample 16	Screening Result(s)						Date of sample	
Sample No.	Sample Description	Cd	Pb	Ша	Cr▼	Br▼		submission/	
110.	Description	Cu	PU	Hg	Cr	PBBs	PBDEs	Resubmission	
28	Black plastic buttons	BL	BL	BL	BL	BL	BL	2024-03-30	
29	Silver metal shrapnel	BL	BL	BL	BL	/	/	2024-03-30	
30	Black plastic base	BL	BL	BL	BL	BL	BL	2024-03-30	
31	Silver metal contacts	BL	BL	BL	BL	/	/	2024-03-30	
32	Silver metal sheet	BL	BL	BL	BL	/	/	2024-03-30	
33	Black plastic block	BL	BL	BL	BL	BL	BL	2024-03-30	
34	Silver metal spring	BL	BL	BL	BL	/	/ 1	2024-03-30	
35	Gold metal contacts	BL	BL	BL	BL	/	AST CS	2024-03-30	
36	Black plastic shell	BL	BL	BL	BL	BL	BL	2024-03-30	
37	Silver metal contacts	BL	BL	BL	BL	/	/	2024-03-30	
38	Black PCB	BL	BL	BL	BL	BL	BL	2024-03-30	

Note:

1. Results were obtained by XRF for primary screening, and further chemical testing by ICP(for Cd, Pb, Hg), UV-Vis(for Cr(VI)) and GC-MS(for PBBs, PBDEs) are recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321-3-1:2013(Unit: mg/kg).

Element	Polymers	Metals Metals	Composite material
Cd	BL≤(70-3σ) <x<(130+3σ)≤ol< td=""><td>BL≤(70-3σ)<x<(130+3σ)≤ol< td=""><td>LOD<x<(150+3σ)≤ol< td=""></x<(150+3σ)≤ol<></td></x<(130+3σ)≤ol<></td></x<(130+3σ)≤ol<>	BL≤(70-3σ) <x<(130+3σ)≤ol< td=""><td>LOD<x<(150+3σ)≤ol< td=""></x<(150+3σ)≤ol<></td></x<(130+3σ)≤ol<>	LOD <x<(150+3σ)≤ol< td=""></x<(150+3σ)≤ol<>
Pb	BL≤(700-3σ) <x<(1300+3σ)≤ol< td=""><td>BL≤(700-3σ)<x<(1300+3σ)≤ol< td=""><td>BL≤(500-3σ)<x<(1500+3σ)≤ol< td=""></x<(1500+3σ)≤ol<></td></x<(1300+3σ)≤ol<></td></x<(1300+3σ)≤ol<>	BL≤(700-3σ) <x<(1300+3σ)≤ol< td=""><td>BL≤(500-3σ)<x<(1500+3σ)≤ol< td=""></x<(1500+3σ)≤ol<></td></x<(1300+3σ)≤ol<>	BL≤(500-3σ) <x<(1500+3σ)≤ol< td=""></x<(1500+3σ)≤ol<>
Hg	BL≤(700-3σ) <x<(1300+3σ)≤ol< td=""><td>BL≤(700-3σ)<x<(1300+3σ)≤ol< td=""><td>BL≤(500-3σ)<x<(1500+3σ)≤ol< td=""></x<(1500+3σ)≤ol<></td></x<(1300+3σ)≤ol<></td></x<(1300+3σ)≤ol<>	BL≤(700-3σ) <x<(1300+3σ)≤ol< td=""><td>BL≤(500-3σ)<x<(1500+3σ)≤ol< td=""></x<(1500+3σ)≤ol<></td></x<(1300+3σ)≤ol<>	BL≤(500-3σ) <x<(1500+3σ)≤ol< td=""></x<(1500+3σ)≤ol<>
Cr	BL≤(700-3σ) <x< td=""><td>BL≤(700-3σ)<x< td=""><td>BL≤(500-3σ)<x< td=""></x<></td></x<></td></x<>	BL≤(700-3σ) <x< td=""><td>BL≤(500-3σ)<x< td=""></x<></td></x<>	BL≤(500-3σ) <x< td=""></x<>
Br	BL≤(300-3σ) <x< td=""><td>N/A</td><td>BL≤(250-3σ)<x< td=""></x<></td></x<>	N/A	BL≤(250-3σ) <x< td=""></x<>

Remark:

- BL= Below Limit
- OL= Over Limit
- X= The range of needing to do further testing
- 3σ = The reproducibility of analytical instruments
- N/A= Not applicable
- LOD= Detection limit
- 2. The XRF screening test for RoHS elements The reading may be different to the actual content in the sample be of non-uniformity composition.
- 3. The maximum permissible limit is quoted from the document RoHS Directive 2011/65/EU with amendment (EU) 2015/863.
- 4. ▼=For restricted substances PBBs and PBDEs, the results show the total Br content, the restricted substance was Cr(VI), and the results showed the total Cr content.



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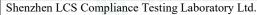
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Maximum Concentration Value (mg/kg (by weight in homogenous materials)		
100		
1000		
1000		
1000		
1000		
1000		
1000		
to inglab 1000 till to inglab		
1000		
1000		

Disclaimers:

This XRF Screening report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes. The result shown in this XRF screening report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. plastic, rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis are required to obtain quantitative data.







B. EU RoHS Directive 2011/65/EU with amendment (EU) 2015/863 on DBP, BBP, DEHP & DIBP content

Test method:

Phthalates(DBP, BBP, DEHP &DIBP) Content:

Refer to IEC 62321-8:2017, by solvent extraction and analysis was performed by gas chromatography-mass spectrometer (GC-MS).

Test result(s):

1) Phthalates(DBP, BBP, DEHP &DIBP)

Tested Item(s)	MDL	Test Result(s) (mg/kg)				Limit
resteu rem(s)	(mg/kg)	5	6	7	8	(mg/kg)
Dibutyl Phthalate(DBP) Content	50	N.D.	N.D.	N.D.	N.D.	1000
Butylbenzyl Phthalate(BBP) Content	50	N.D.	N.D.	N.D.	N.D.	1000
Di-(2-ethylhexyl) Phthalate(DEHP) Content	50	N.D.	N.D.	N.D.	N.D.	1000
Diisobutyl phthalate(DIBP) Content	50	N.D.	N.D.	N.D.	N.D.	1000

Tested Items	MDL (mg/kg)	Results (mg/kg) 10+12+14+17+19+20	Limit (mg/kg)
Dibutyl Phthalate(DBP) Content	50	N.D.	1000
Butylbenzyl Phthalate(BBP) Content	50	N.D.	1000
Di-(2-ethylhexyl) Phthalate(DEHP) Content	50	N.D.	1000
Diisobutyl phthalate(DIBP) Content	50	N.D.	1000

Tested Items	MDL (mg/kg)	Results (mg/kg)	Limit	
方訊检测股 ²⁰	(mg/kg) 22+25+28+30+33+36		(mg/kg)	
Dibutyl Phthalate(DBP) Content	50	N.D. VST LCSTEST	1000	
Butylbenzyl Phthalate(BBP) Content	50	N.D.	1000	
Di-(2-ethylhexyl) Phthalate(DEHP) Content	50	N.D.	1000	
Diisobutyl phthalate(DIBP) Content	50	N.D.	1000	



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Tested Items	MDL	Results (mg/kg)	Limit	
rested Items	(mg/kg)	38	(mg/kg)	
Dibutyl Phthalate(DBP) Content	50	N.D.	1000	
Butylbenzyl Phthalate(BBP) Content	50	N.D.	1000	
Di-(2-ethylhexyl) Phthalate(DEHP) Content	50	N.D.	1000	
Diisobutyl phthalate(DIBP) Content	50	N.D.	1000	

Note:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg= milligram
- According to customer's requirement, only the appointed materials have been tested.



LCS Testing Lab

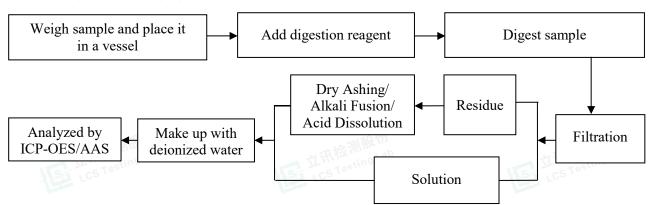
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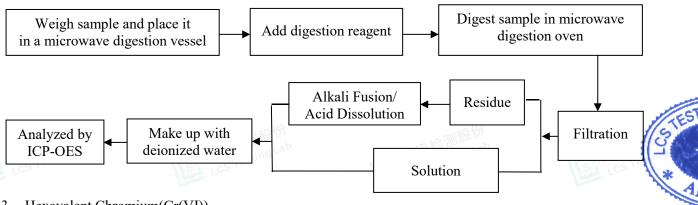


Test Process

1. Lead(Pb) & Cadmium(Cd): IEC 62321-5:2013

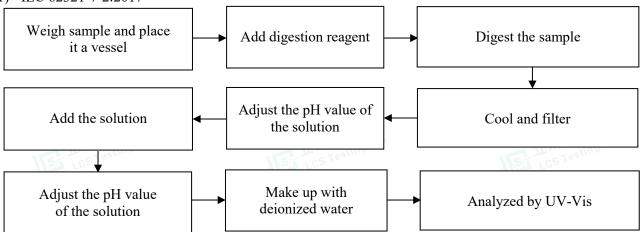


2. Mercury(Hg): IEC 62321-4:2013+AMD1:2017 CSV



3. Hexavalent Chromium(Cr(VI))

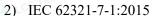
1) IEC 62321-7-2:2017

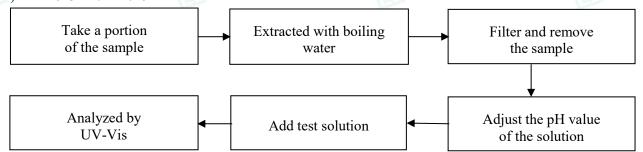




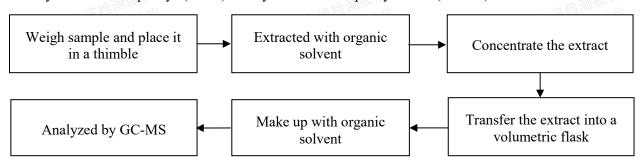
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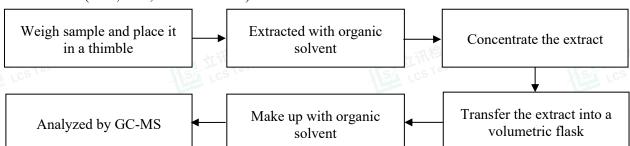




4. Polybrominated Biphenyls(PBBs) & Polybrominated Diphenyl Ethers(PBDEs): IEC 62321-6:2015



5. Phthalates(DBP, BBP, DEHP & DIBP): IEC 62321-8:2017









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The photo(s) of the sample







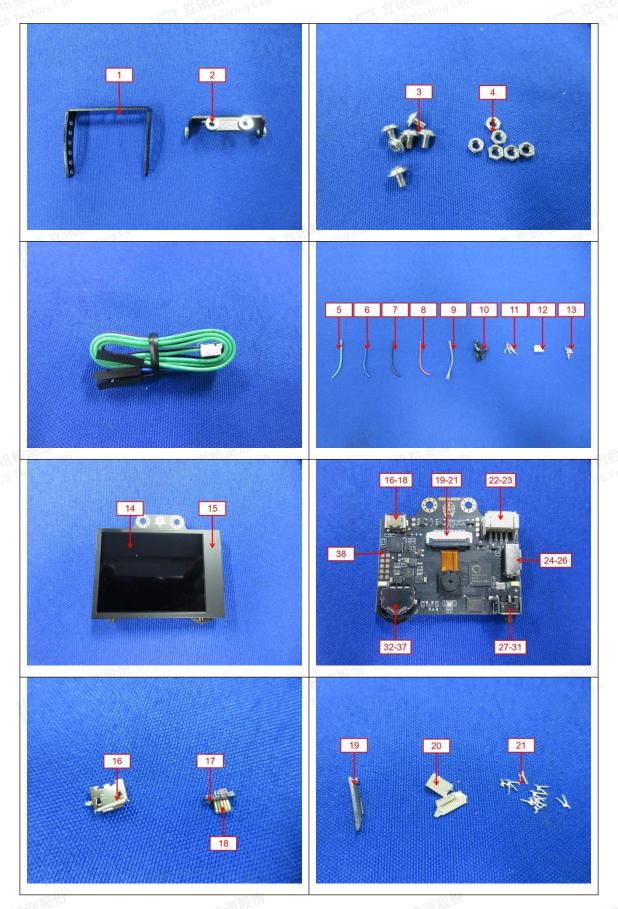
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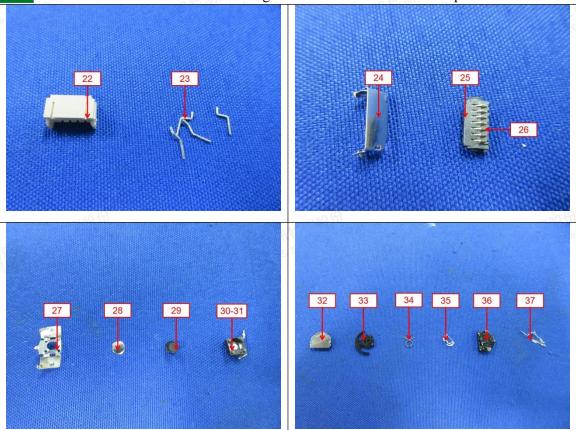
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*** End of Report ***



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