



000008856

TEST REPORT

Applicant's Name : DexForce Technology Co., Ltd.

Address : 14/F, Venture Capital Tower, 1001 Keyuan Road, Nanshan District, Shenzhen, China

Report on the submitted sample said to be:

Sample Name : DexSense 3D industrial camera

Trade Mark : 

Model(s) : KINGFISHER, KINGFISHER-S, KINGFISHER-W

Manufacturer : DexForce Technology Co., Ltd.

Address : 14/F, Venture Capital Tower, 1001 Keyuan Road, Nanshan District, Shenzhen, China

Testing Laboratory : Shenzhen DACE Testing Technology Co., Ltd.

Test Conclusion : Based on the performed tests on submitted samples, the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Bis (2-ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP), Di Iso Butyl Ortho Phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Testing Period : Sep. 10, 2025 to Sep. 17, 2025

Date of Report : Sep. 17, 2025

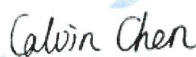
Testing Requested:	Results
Selected test(s) as requested by client	Pass

Prepared by:



Trudie

Examine By:



Calvin Chen

Approved(Manager):



Michael Mo



Testing method:

1. With reference to IEC 62321-1:2013, review was performed for the samples disjointed from the submitted articles submitted by the Applicant
2. Tests were performed for the samples indicated by the photos in the report with test methods reference to IEC 62321-1:2013, Procedures for the determination of Levels of Six regulated Substances in Electrotechnical Products
 - (1) With reference to IEC 62321-3-1:2013, Screening by XRF Fluorescence Spectrometry
 - (2) With reference to IEC 62321-2:2021, Perform disassembly and mechanical sample preparation
 - (3) Wet Chemical Test Method
 - a. With reference to IEC 62321-5:2013, Determination of Lead & Cadmium by ICP-OES or AAS
 - b. With reference to IEC 62321-4:2013+A1:2017, Determination of Mercury by ICP-OES
 - c. With reference to IEC 62321-7-1:2015 and IEC 62321-7-2:2017, Determination of Hexavalent Chromium by Spot or Colorimetric Method
 - d. With reference to IEC 62321-6:2015, Determination of PBBs and PBDEs by GC-MS
 - e. With reference to IEC 62321-8:2017, Determination of DEHP, DIBP, DBP and BBP by GC-MS

Note: The test results are related only to the tested items. The report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.

Part No.	Part Description	Restricted Substance	Results of EDXRF	Result of Wet Chemical Testing (2mg/kg)	Conclusion on RoHS
1.	metal casing	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(VI)	BL	-	Comply
		Br	-	-	-
		DEHP	-	-	-
		BBP	-	-	-
		DBP	-	-	-
		DIBP	-	-	-
2.	plastic mat	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(VI)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
3.	screw	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(VI)	BL	-	Comply
		Br	-	-	-
		DEHP	-	-	-
		BBP	-	-	-
		DBP	-	-	-
		DIBP	-	-	-
4.	LAN interface	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(VI)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply

Part No.	Part Description	Restricted Substance	Results of EDXRF	Result of Wet Chemical Testing (2mg/kg)	Conclusion on RoHS
5.	transparent shell	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(VI)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
6.	sealing ring	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(VI)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
7.	Silver metal plate	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(VI)	BL	-	Comply
		Br	-	-	-
		DEHP	-	-	-
		BBP	-	-	-
		DBP	-	-	-
		DIBP	-	-	-
8.	Black plastic wire cover	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(VI)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply

Part No.	Part Description	Restricted Substance	Results of EDXRF	Result of Wet Chemical Testing (2mg/kg)	Conclusion on RoHS
9.	lens	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(VI)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
10.	glue	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(VI)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
11.	ferrous metal	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(VI)	BL	-	Comply
		Br	-	-	-
		DEHP	-	-	-
		BBP	-	-	-
		DBP	-	-	-
		DIBP	-	-	-
12.	PCB	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(VI)	BL	-	Comply
		Br	IN	PBBs=ND PBDEs=ND	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply

Part No.	Part Description	Restricted Substance	Results of EDXRF	Result of Wet Chemical Testing (2mg/kg)	Conclusion on RoHS
13.	SMD resistor	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(VI)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
14.	SMD capacitors	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(VI)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
15.	IC	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(VI)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
16.	inductor	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(VI)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply

Part No.	Part Description	Restricted Substance	Results of EDXRF	Result of Wet Chemical Testing (2mg/kg)	Conclusion on RoHS
17.	Metal stud	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(VI)	BL	-	Comply
		Br	-	-	-
		DEHP	-	-	-
		BBP	-	-	-
		DBP	-	-	-
		DIBP	-	-	-
18.	Grey cushion	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(VI)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
19.	diode	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(VI)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
20.	transformer	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(VI)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply

Part No.	Part Description	Restricted Substance	Results of EDXRF	Result of Wet Chemical Testing (2mg/kg)	Conclusion on RoHS
21.	soldering	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(VI)	BL	-	Comply
		Br	-	-	-
		DEHP	-	-	-
		BBP	-	-	-
		DBP	-	-	-
		DIBP	-	-	-
22.	cable	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(VI)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
23.	metal bracket	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(VI)	BL	-	Comply
		Br	-	-	-
		DEHP	-	-	-
		BBP	-	-	-
		DBP	-	-	-
		DIBP	-	-	-

Remark:

(1) (a) It is the result on total Br while test item on restricted is PBBs\PBDEs. It is the result on total Cr⁶⁺ while test item on restricted substances is Cr⁶⁺.

(b) Results are obtained by EDXRF for primary screening ,and further chemical testing by ICP(for Cd, Pb, Hg), UV-VIS(for Cr⁶⁺) and GC\MS (for PBBs, PBDEs) is recommended to be performed , if the concentration exceeds the below warning value according to IEC62321(unit: mg/kg)

Element	Polymer	Metal	Composite Materials
Cd	BL≤ (70-3 σ) <X<(130+3 σ) ≤OL	BL≤ (70-3 σ) <X<(130+3 σ) ≤OL	LOD<X<(150+3 σ) ≤OL
Pb	BL≤ (700-3 σ) <X<(1300+3 σ) ≤OL	BL≤ (700-3 σ) <X<(1300+3 σ) ≤OL	BL≤ (500-3 σ) <X<(1500+3 σ) ≤OL
Hg	BL≤ (700-3 σ) <X<(1300+3 σ) ≤OL	BL≤ (700-3 σ) <X<(1300+3 σ) ≤OL	BL≤ (500-3 σ) <X<(1500+3 σ) ≤OL
Br	BL≤ (300-3 σ) <X	--	BL≤ (250-3 σ) <X
Cr	BL≤ (700-3 σ) <X	BL≤ (700-3 σ) <X	BL≤ (500-3 σ) <X

(c)BL=Below Limit, OL=Over Limit, IN=Inconclusive, LOD=Limit of Detection, -=Not Regulated,

Negative = A negative test result indicated above positive observation was not found at the time of testing. When the spot-test showed a negative result, the boiling-water-extraction procedure shall be used to verify the result.

(#1) = As claimed by the declaration submitted by the client, the Lead content of the components is coming from the constituent of ceramic part of the electronic component only. According to EU RoHS Directive, Lead in electronic ceramic parts of this component can be exempted.

(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,

(2) (a) mg/kg=ppm=0.0001%, ND=Not Detected(<MDL)),

(b)Unit and Method Detection Limit(MDL)in wet chemical test

Test Items	Units	MDL	EU RoHS Limit
Pb	mg/kg	2	1000
Cd	mg/kg	2	100
Hg	mg/kg	2	1000
Cr(VI)	mg/kg	0.02 mg/50 cm ² (Metal)	1000
		2	
PBBs	mg/kg	5	1000
PBDEs	mg/kg	5	1000
DEHP	mg/kg	5	1000
BBP	mg/kg	5	1000
DBP	mg/kg	5	1000
DIBP	mg/kg	5	1000

(c) According to IEC 62321, result on Cr for metal sample is shown as Positive\Negative, Negative=Absence of Cr⁶⁺ coating, Positive=Presence of Cr⁶⁺ coating.

(d) ▲As declared by the client the materials fall into exemption items according to RoHS Directive 2011/65/EU recasting 2002/95/EC

Photograph of sample

DACE authenticate the photo on original report only



Photo 1

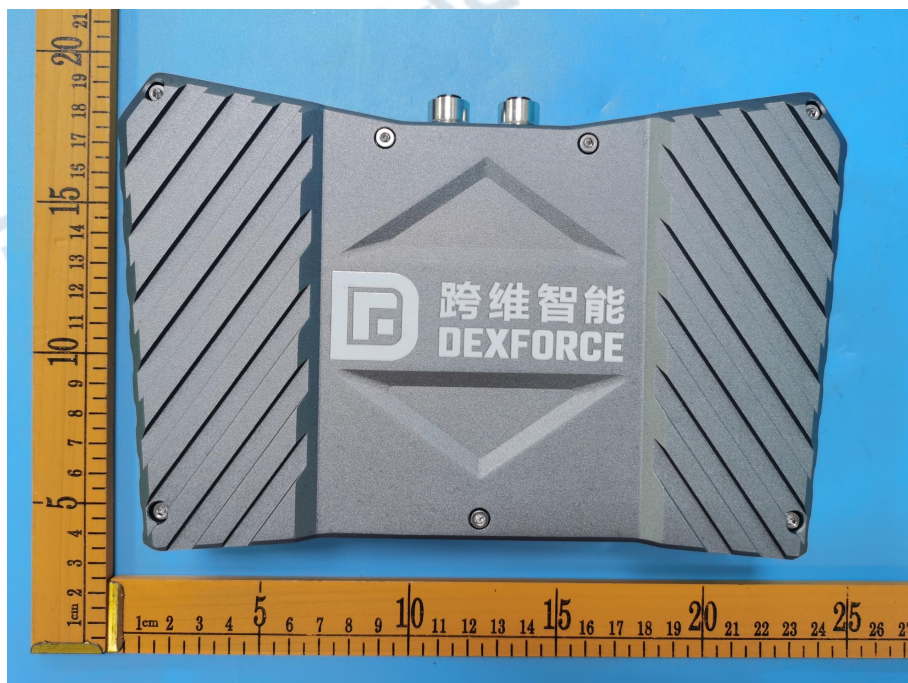


Photo 2

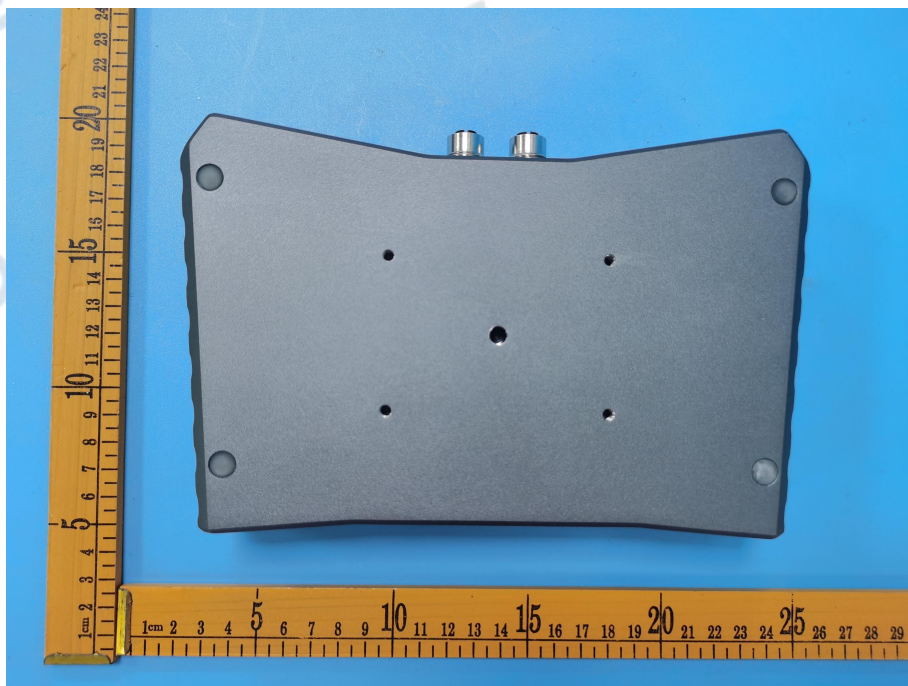


Photo 3



Photo 4



Photo 5



Photo 6



Photo 7

*****END OF REPORT*****