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TEST REPORT

XI'AN OPT Communication Co., Ltd.

POCE

Applicant

OCE

Address

Building 4, Free Trade Industrial Park, No. 2168, Zhenghe Fourth Road, XI'AN, China

Report on the submitted sample said to be:

:

	eport on the submitted	Sample Salu to	· NG.			
P	Sample Name	: Fiber Opti	c Closure			
B	Trade Mark	: OPT				
	Model(s)	1000	7, OPT-F003, OP 7H, OPT-A5, OPT	T-F101H, OPT-F102H, ⁻ -A8, OPT-A16	OPT-F106M,	
	Manufacturer	: XI'AN OP	T Communication	Co., Ltd.		
	Address Test Conclusion	XI'AN, Ch		strial Park, No. 2168, Z	Court here	
			• · · · · · · · · · · · · · · · · · · ·	alent chromium, Polybro		
CE	POCI	(PBBs). P phthalate Iso Butyl (olybrominated dip (DEHP), Benzyl k Drtho Phthalate (I	ohenyl ethers (PBDEs), outyl phthalate (BBP), D DIBP) comply with the li nending Annex II to Dire	Bis (2-ethylhexyl) ibutyl phthalate (DBP) mits as set by RoHS	, Di
aOCE	Testing Period) [] Jul. 15, 20	23 to Jul. 21, 202	23		
Pr. Cr.	Date of Report	: Jul. 21, 20	023			
	and Free	- All			1.500 B	
09	Testing Requested:	60v.		60×	Results	
	Selected test(s) as req	uested by client	E		Pass	4
	POUL	bor	,	POV-	POCE TECHINO	

Prepared by : Indie

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Trudie

Calvin Chen

Examine By :

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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) 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 Colorimetic 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 note be reproduced except in full without the written approval of the testing laboratory.



Part No.	Part Description	Restricted	Results of	Result of wet	Conclusion	
		Substance	EDXRF	Chemical Testing	on RoHS	
	CE		ACE	(2mg/kg)	ACCE	<
1	Black plastic shell	Pb 💙	BL	-	Comply	
		Cd	BL	-	Comply	
	CE.	Hg	BL		Comply	E
	DOUL	Cr(VI)	BL	-	Comply	
	X -	Br	BL	-	Comply	
		DEHP	IN	ND	Comply	6
	OCE	BBP	IN	ND	Comply	DCE
	PUU	DBP	IN 💎	ND	Comply 💎	
		DIBP	IN	ND	Comply	
2	Hexagonal screw	Pb	BL	-F	Comply	CE
CE	20	Cd	BL	0000	Comply	POCE
	40	Hg	BL	<u> </u>	Comply	T
		Cr(VI)	BL	-	Comply	
C	E	Br	-		-	-OCF
000		DEHP	-	200	-	PU
		BBP	-		-	
		DBP	6	-	- C	
	ACE	DIBP	CE-	-	OCK-	0
3 🖓	Black rubber strip	Pb	BL	- 7	Comply	
		Cd	BL	-	Comply	
	POCE	Hg	BL	-	Comply	
	DOUL	Cr(VI)	BL	-	Comply	
	X	Br	BL	-	Comply	
		DEHP	IN	ND	Comply	E
	OCE	BBP	IN		Comply	CE
	PU	DBP	IN	ND	Comply	
	0.0000	DIBP	IN	ND	Comply	
4	Cross screw	Pb	BL	CE	Comply	CE
		Cd	BL	b00-	Comply Comply	DOUT
	00-	Цa	ום			
	PU	Hg Cr(VI)	BL	-		
	POS	Cr(VI)	BL BL	-	Comply	-
CE	PUS	Cr(VI) Br		CE		OCE
OCE	PU	Cr(VI) Br DEHP		POCE		POCE
OCE	PUP	Cr(VI) Br DEHP BBP		POCE		POCE
OCE	POP	Cr(VI) Br DEHP		POCE		POCE



		CE				GF	
	Part No.	Part Description	Restricted	Results of	Result of wet	Conclusion	
			Substance	EDXRF	Chemical Testing	on RoHS	
					(2mg/kg)	-6	
	5	Silver metal	Pb	BL	-	Comply	
		PU	Cd 💙	BL	-	Comply	
			Hg	BL	-	Comply	
		0E	Cr(VI)	BL 🚬		Comply	E
•		DOCL	Br	000	-	P00	
			DEHP	_	-	-	
			BBP	-	-	-	
cX		OCE	DBP	-	OCE.	-	ACE
		POU	DIBP	- 2	<u> </u>	- P	0-
	6	Nut	Pb	BL	-	Comply	
	C		Cd	BL		Comply	aF.
-0	CE	-0	Hg	BL	20CL	Comply	DOCL
PL		PU	Cr(VI)	BL	<u>ve</u>	Comply	P
			Br	-	-	-	
	6	E	DEHP	-		E -	
	204		BBP	-	-200	-	
			DBP	-		-	
			DIBP	-	-	-	
	7	Transparent plastic	Pb	BL	-	Comply	
	P	00	Cd	BL	- P	Comply	PC
			Hg	BL	-	Comply	
		6	Cr(VI)	BL	-	Comply	
		POCE	Br	BL	-	Comply	
		PC	DEHP	IN	ND	Comply	
			BBP	IN	ND	Comply	
2		CE	DBP	IN	ND	Comply	E
		DOUT	DIBP	INO	ND	Comply	
	8	White plastic	Pb	BL	-	Comply	
			Cd	BL	-	Comply	
~	E		🔎 Hg	BL	CE	Comply	OCE
		PU	Cr(VI)	BL	- 99	Comply	
			Br	BL	-	Comply	
			DEHP	IN	ND	Comply	
	OCE	2	BBP	IN	ND	Comply	
P	V	P	DBP	IN	ND	Comply	
			DIBP	IN	ND	Comply	
						-6	~



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 Materals
Cd	BL≤ (70-3 σ) <x<(130+3)="" th="" σ="" ≤ol<=""><th>BL≪ (70-3 σ) <x<(130+3)="" th="" σ="" ≪ol<=""><th>LOD<x<(150+3)="" th="" ≤ol<="" ♂=""></x<(150+3></th></x<(130+3></th></x<(130+3>	BL≪ (70-3 σ) <x<(130+3)="" th="" σ="" ≪ol<=""><th>LOD<x<(150+3)="" th="" ≤ol<="" ♂=""></x<(150+3></th></x<(130+3>	LOD <x<(150+3)="" th="" ≤ol<="" ♂=""></x<(150+3>
Pb	BL≤ (700-3 σ) <x<(1300+3)="" th="" σ="" ≤ol<=""><th>BL\leqslant (700-3 σ) <x<(1300+3 <math="">\sigma) \leqslant</x<(1300+3></th><th>BL≪ (500-3 σ) <x<(1500+3< th=""></x<(1500+3<></th></x<(1300+3>	BL \leqslant (700-3 σ) <x<(1300+3 <math="">\sigma) \leqslant</x<(1300+3>	BL≪ (500-3 σ) <x<(1500+3< th=""></x<(1500+3<>
-OCK	- OCL	OL	σ) ≤OL
Hg	BL≪ (700-3 σ) <x<(1300+3)="" th="" σ="" ≪ol<=""><th><math display="block">BL{\leqslant}\;(\textbf{700-3}\sigma\;)\;\textbf{<x}{<}(\textbf{1300+3}\sigma\;)\;{\leqslant}< math=""></x}{<}(\textbf{1300+3}\sigma\;)\;{\leqslant}<></math></th><th>BL≪ (500-3 σ) <x<(1500+3< th=""></x<(1500+3<></th></x<(1300+3>	$BL{\leqslant}\;(\textbf{700-3}\sigma\;)\;\textbf{$	BL≪ (500-3 σ) <x<(1500+3< th=""></x<(1500+3<>
		OL	σ) ≤OL
Br	BL≤ (300-3 σ) <x< th=""><th>- OCE</th><th>BL≤ (250-3 ♂) <x< th=""></x<></th></x<>	- OCE	BL≤ (250-3 ♂) <x< th=""></x<>
Cr	BL≤ (700-3 σ) <x< th=""><th>BL≤ (700-3 σ) <x< th=""><th>BL≤ (500-3 σ) <x< th=""></x<></th></x<></th></x<>	BL≤ (700-3 σ) <x< th=""><th>BL≤ (500-3 σ) <x< th=""></x<></th></x<>	BL≤ (500-3 σ) <x< th=""></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	1000	
	PBBs	mg/kg	5	1000	
	PBDEs	mg/kg	5	1000	
	DEHP	mg/kg	5	1000	
5	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+ costing, Positive=Prosence of Cr 6+ coating.
- (d) ▲As declared by the client the materials fall into exemption items according to RoHS Directive 2011\65\EU recasting 2002\95\EC

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Photograph of sample

POCE authenticate the photo on original report only



Photo 1



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Photo 2







Photo 7

<u>3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47</u>

11111

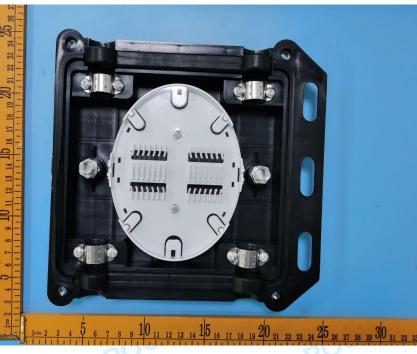


Photo 8

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