Shenzhen POCE Technology Co., Ltd.

## TEST REPORT

Applicant Xi'AN OPT Communication Co., Ltd.

Building 4, Free Trade Industrial Park, No. 2168, Zhenghe Fourth Road, **Address** 

Fengdong new town, XI'AN, China

## Report on the submitted sample said to be:

Sample name

: Fiber Optical Cable

**Trademark** 

N/A

Model

GYTS, FTTH Drop Cable, Round Drop Cable, Flat Drop Cable, GYXTW,

GYTS/A, GYTA53, GYFTY, ADSS, GYTC8S, GYXTC8S

Manufacturer

Xi'AN OPT Communication Co., Ltd.

**Address** 

Building 4, Free Trade Industrial Park, No. 2168, Zhenghe Fourth Road,

Fengdong new town, XI'AN, China

**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. 21, 2022 to Sep. 28, 2022

Date of report

: Sep. 28, 2022

Testing Requested:	JOCE.	SOCE	Results
Selected test(s) as reques	ted by client	F	Pass

Prepared by:

Examine By:

Matilda POC

Calvin Chen

Calvin Ches



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**Testing method:** 

- 1. With reference to EN 62321-1:2013, review was performed for the samples disjointed from the submitted articles submitted by the Applicant
- Tests were performed for the samples indicated by the photos in the report with test methods reference to EN 62321-1:2013, Procedures for the determination of Levels of Six regulated Substances in Electrotechnical Products
  - (1) With reference to EN 62321-3-1:2014, Screening by XRF spectrometry
  - (2) Wet Chemical Test Method
  - a. With reference to EN 62321-5:2014, Determination of Lead &Cadmium by ICP-OES or AAS
  - b. With reference to EN 62321-4:2014/A1:2017, Determination of Mercury by ICP-OES
  - c. With reference to EN 62321-7-1:2015 and EN 62321-7-2:2017, Determination of Hexavalent Chromium by Spot or Colorimetic Method
  - d. With reference to EN 62321-6:2015, Determination of PBBs and PBDEs by GC-MS
  - e. With reference to EN 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.

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Part No.	Part Description	Restricted	Results of	Result of wet	Conclusion	Sample submitted/
	•	Substance	EDXRF	Chemical Testing	on RoHS	Resubmitted
	a E			(2mg/kg)		Date
1	Black plastic wire skin	Pb	BL		Comply	Sep. 28, 2022
	(outside)	Cd	BL	-	Comply	
		Hg	BL		Comply	E
OCE		Cr(VI)	BL	OCE	Comply	OCL
	PO	Br	BL	-	Comply	
		DEHP	IN	ND	Comply	
	E	BBP	IN	ND	Comply	POCE
bO,	P	DBP	IN	ND	Comply	PO
•		DIBP	IN	ND	Comply	
2	Brown plastic wire skin	Pb	BL	-	Comply	Sep. 28, 2022
	OCL	Cd	BL	-000	Comply	60°
		Hg	BL	- *	Comply	*
		Cr(VI)	BL	-	Comply	
	POCE	Br	BL	-	Comply	20
	PU	DEHP	IN	ND	Comply	P
		BBP	IN	ND	Comply	
	CE	DBP	IN	ND	Comply	
	POCT	DIBP	IN	ND	Comply	
3	Blue plastic wire skin	Pb	BL	-	Comply	Sep. 28, 2022
		Cd	BL	-E	Comply	aE.
CE	20Cr	Hg	BL	OCL-	Comply	CL
	P	Cr(VI)	BL	-	Comply	
		Br	BL	-	Comply	
CE		DEHP	IN	ND	Comply	OCE
POS	PC	BBP	IN	ND	Comply	PO
		DBP	IN	ND	Comply	
	a E	DIBP	IN	ND	Comply	CE
450	Metal core	Pb	BL	600	Comply	Sep. 28, 2022
T.		Cd	BL	-	Comply	•
		Hg	BL	-	Comply	
	CE	Cr(VI)	BL	- 20	Comply	200
	70	Br	-	- 7	-	<b>Y</b>
		DEHP	-	-	-	
	CE	BBP	OCE	-	OCE	
	POCE	DBP	PO_	-	PU	F
	•	DIBP	-	-	-	
					<u> </u>	

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Part No.	Part Description	Restricted	Results of	Result of wet	Conclusion	Sample submitted/
	000	Substance	EDXRF	Chemical Testing	on RoHS	Resubmitted
	<b>V</b>			(2mg/kg)		Date
5	Tinfoil	Pb	BL		Comply	Sep. 28, 2022
	CE	Cd	BL		Comply	
	PO	Hg	BL	-	Comply	
		Cr(VI)	BL	_	Comply	
OCE		Br	-	OCE	-	OCE
9	PU	DEHP	-	-	-	
		BBP	-	-	-	
	E	DBP	-	-CE	-	OCE
POC	P	DIBP	-	POO	-	PO
6	Optical fiber	Pb	BL	-	Comply	Sep. 28, 2022
	a E	Cd	BL	-	Comply	CE
	OCL	Hg	BL	-00	Comply	boo.
		Cr(VI)	BL	-	Comply	
		Br	BL	-	Comply	
	POCE	DEHP	IN	ND	Comply	20
	PO	BBP	IN	ND	Comply	
		DBP	IN	ND	Comply	
	CE	DIBP	IN	ND	Comply	
7	silk thread	Pb	BL	-	Comply	Sep. 28, 2022
		Cd	BL	-	Comply	
		Hg	BL	CE.	Comply	CE.
	20Cr	Cr(VI)	BL O	DC -	Comply	
	Y	Br	BL	-	Comply	
		DEHP	IN	ND	Comply	
OCE	-0	BBP	IN	ND	Comply	POCE
PO	PC	DBP	IN	ND	Comply	70
		DIBP	IN	ND	Comply	



## 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 Cr<sup>6+</sup>.
  - (b) Results are obtained by EDXRF for primary screening ,and further chemical testing by ICP(for Cd, Pb, Hg), UV-VIS(for Cr<sup>6+</sup>) and GC\MS (for PBBs, PBDEs) is recommended to be performed , if the concentration exceeds the below warning value according to EN 62321(unit: mg\kg)

Element	Polymer	Metal	Composite Materals
Cd	BL≤ (70-3 o ) <x<(130+3 )="" o="" td="" ≤ol<=""><td>BL≤ (70-3 o ) <x<(130+3 )="" o="" td="" ≤ol<=""><td>LOD<x<(150+3 )="" o="" td="" ≤ol<=""></x<(150+3></td></x<(130+3></td></x<(130+3>	BL≤ (70-3 o ) <x<(130+3 )="" o="" td="" ≤ol<=""><td>LOD<x<(150+3 )="" o="" td="" ≤ol<=""></x<(150+3></td></x<(130+3>	LOD <x<(150+3 )="" o="" td="" ≤ol<=""></x<(150+3>
Pb	BL≤ (700-3 σ ) <x<(1300+3 )="" td="" σ="" ≤ol<=""><td><math>BL \leqslant (700-3 \sigma) &lt; X &lt; (1300+3 \sigma) \leqslant</math></td><td>BL≤ (500-3 o ) <x<(1500+3< td=""></x<(1500+3<></td></x<(1300+3>	$BL \leqslant (700-3 \sigma) < X < (1300+3 \sigma) \leqslant$	BL≤ (500-3 o ) <x<(1500+3< td=""></x<(1500+3<>
-0	CE SOCE	OL	σ) <b><ol< b=""></ol<></b>
Hg	BL $\leqslant$ (700-3 $\sigma$ ) <x<(1300+3 <math="">\sigma ) <math>\leqslant</math>OL</x<(1300+3>	$BL \leqslant (700-3 \sigma) < X < (1300+3 \sigma) \leqslant$	BL≤ (500-3 o ) <x<(1500+3< td=""></x<(1500+3<>
		OL	σ) <b>≤OL</b>
Br	BL≤ (300-3 o ) <x< td=""><td>SOCE</td><td>BL≤ (250-3 o ) <x< td=""></x<></td></x<>	SOCE	BL≤ (250-3 o ) <x< td=""></x<>
Cr	BL≤ (700-3 σ ) <x< td=""><td>BL≤ (700-3 σ ) <x< td=""><td>BL≤ (500-3 o ) <x< td=""></x<></td></x<></td></x<>	BL≤ (700-3 σ ) <x< td=""><td>BL≤ (500-3 o ) <x< td=""></x<></td></x<>	BL≤ (500-3 o ) <x< td=""></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(\/I)	mg/kg	0.02 mg/50 cm <sup>2</sup> (Metal)	1000
Cr(VI)		2	1000
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 EN 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

## CE

POCE authenticate the photo on original report only



Photo 1

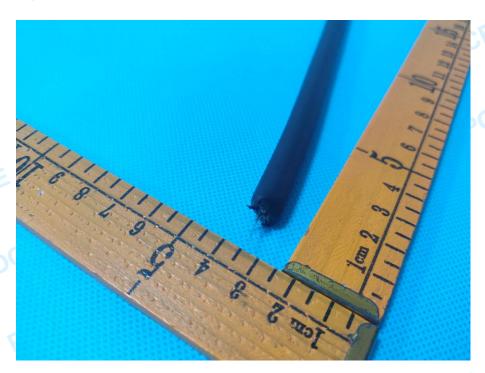


Photo 2

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