st Report	No.:	SZXEC23000164701	Date:	Mar 03, 2	2023	Page 1 of 8
Client Name: SHEN	ZHEN W	ORLD INDUSTRIAL CO.,LT	D.			
		AOYE CALLIGRAPHY AND , LONGGANG DISTRICT, S		EXCHANG	E SQUARE, NO	D.245
Sample Name:	D	O-27(DO-201AD)				
Model No.:	D	O-27(DO-201AD)				
Client Ref. Information	20 22 25	O-15,DO-27(DO-201AD),TC 52,TO-3P,TO-220(ACT),TO- 20AB,GBU,GBP,KBJ,GBJ,G 51,DXB,DXT,KBP,KBPC,GB mation were provided by the	220F ITO- BL,RBU,D3 PC	220AB ,T		O-252,TO-
SGS Job No.:	R	P23-003818				
Sample Receiving Dat	te: Fe	eb 28, 2023				
Testing Period:	-					
	F	eb 28, 2023 - Mar 03, 2023				
Test Requested:		eb 28, 2023 - Mar 03, 2023 elect test(s) as requested by	the client.			
Test Requested: Test Method(s):	S		the client.			
	S P	elect test(s) as requested by	the client.			

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive	
2011/65/EU- Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated	
biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Dibutyl phthalate	Pass
(DBP), Butyl benzyl phthalate (BBP), Bis(2-ethylhexyl) phthalate (DEHP), and	
Diisobutyl phthalate (DIBP)	
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive	Pass
2011/65/EU- Lead, Mercury, Cadmium and Hexavalent chromium	Fass

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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Fay Yuan Approved Signatory



## Test Report

#### Test Result(s):

**Test Part Description** 

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	SZX23-0001647-0001.C001	Black body with gray printing
SN2	A2	SZX23-0001647-0001.C002	Silvery metal pin

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%

(2) MDL = Method Detection Limit

(3) ND = Not Detected (< MDL)

(4) -

#### EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU- Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Dibutyl phthalate (DBP), Butyl benzyl phthalate (BBP), Bis(2-ethylhexyl) phthalate (DEHP), and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 and IEC 62321-8:2017, analysis was performed by ICP-OES, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A1
Cadmium(Cd)	100	mg/kg	2	ND
Lead (Pb)	1000	mg/kg	2	9378
Mercury (Hg)	1000	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Polybromobiphenyl (PBBs)	1000	mg/kg	-	ND
Monobromobiphenyl (MonoBB)	-	mg/kg	5	ND
Dibromobiphenyl (DiBB)	-	mg/kg	5	ND
Tribromobiphenyl (TriBB)	-	mg/kg	5	ND
Tetrabromobiphenyl (TetraBB)	-	mg/kg	5	ND
Pentabromobiphenyl (PentaBB)	-	mg/kg	5	ND
Hexabromobiphenyl (HexaBB)	-	mg/kg	5	ND

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	Test Item(s)			Limit	Unit(s)	MDL	A1	
	Benzyl Butyl Phthalate	(BBP)		1000	mg/kg	50	ND	
	Bis-(2-ethylhexyl) Phth	alate(D	EHP)	1000	mg/kg	50	ND	
	Diisobutyl Phthalate(D	IBP)		1000	mg/kg	50	ND	

#### Notes:

(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.

(2) IEC 62321 series is equivalent to EN 62321 series.

(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

# EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU- Lead, Mercury, Cadmium and Hexavalent chromium

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013 and IEC 62321-7-1:2015, analysis was performed by ICP-OES and UV-Vis .

Test Item(s)	Limit	Unit(s)	MDL	A2
Cadmium(Cd)	100	mg/kg	2	ND
Lead(Pb)	1000	mg/kg	2	ND
Mercury(Hg)	1000	mg/kg	2	ND
	-	µg/cm²	0.10	ND

Notes:

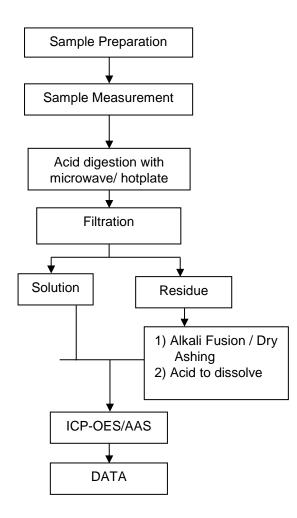
# Test Report ATTACHMENTS

## **No.:** SZXEC23000164701

Date: Mar 03, 2023

## Elements (IEC62321) Testing Flow Chart

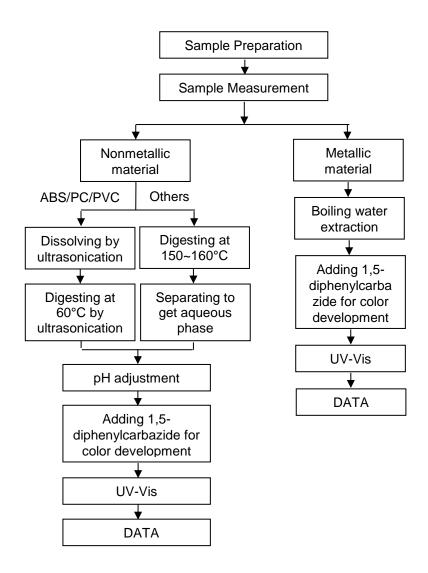
These samples were dissolved totally by pre-conditioning method according to below flow chart.



# ATTACHMENTS

**Test Report** 

## Hexavalent Chromium (Cr(VI)) Testing Flow Chart



Test Report

**No.:** SZXEC23000164701 **Date:** Mar 03, 2023

# Test Report ATTACHMENTS

### Phthalates Testing Flow Chart

