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est Report	No.:	SZXEC23001722903	Date:	Aug 03, 2023	Page 1 of 8		
Client Name: SH	ENZHEN R	UICHIPS SEMICONDUCTO	R CO.,LTD				
		.OCK4,WANYAN(FUHAI)INDUSTRIALZONE,QIAOTOUCOMMUNITY,FUYON BAO'AN DISTRICT,SHENZHEN,CHINA					
Sample Name:		Semiconductor Device					
Model No.:	S	SOT23-6					
Client Ref. Informati	•	SOT23-3, SOT23-5, SOT23, SOT223, SOT323, SOT523, SOT723, TSSOP20					
The above sample(s) and information were provided by the client.							
SGS Job No.: Sample Receiving Date: Testing Period:		SZP23-011974					
		Jul 28, 2023 Jul 28, 2023 ~ Aug 03, 2023					
Test Method(s):	Р	lease refer to next page(s).					
Test Result(s):	Р	lease refer to next page(s).					
Test Requirement	t				Conclusion		
EU RoHS Directive (EU) 2015/863 amending Annex II to Di 2011/65/EU- Lead, Mercury, Cadmium, Hexavalent chromiu				ominated			
	biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Bis(2-ethylhexyl)				Pass		

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

phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and

Ford

Diisobutyl phthalate (DIBP)

Ford Shi Approved Signatory





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Test Report

No.: SZXEC23001722903

Date: Aug 03, 2023

Test Result(s):

Test Part Description:

SN ID	Sample No. SGS Sample ID		Description		
SN1	A1	SZX23-0017229-0001.C001	"Semiconductor Device"		

Remarks:

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

(2) MDL = Method Detection Limit

(3) ND = Not Detected (< MDL)

(4) "-" = Not Regulated

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), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) 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	6
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
Heptabromobiphenyl (HeptaBB)	-	mg/kg	5	ND
Octabromobiphenyl (OctaBB)	-	mg/kg	5	ND
Nonabromobiphenyl (NonaBB)	-	mg/kg	5	ND
Decabromobiphenyl (DecaBB)	-	mg/kg	5	ND
Polybromodiphenyl ether(PBDEs)	1000	mg/kg	-	ND
Monobromodiphenylether (MonoBDE)	-	mg/kg	5	ND
Dibromodiphenylether (DiBDE)	-	mg/kg	5	ND
Tribromodiphenylether (TriBDE)	-	mg/kg	5	ND
Tetrabromodiphenylether (TetraBDE)	-	mg/kg	5	ND
Pentabromodiphenylether (PentaBDE)	-	mg/kg	5	ND
Hexabromodiphenylether (HexaBDE)	-	mg/kg	5	ND
Heptabromodiphenylether (HeptaBDE)	-	mg/kg	5	ND
Octabromodiphenylether (OctaBDE)	-	mg/kg	5	ND
Nonabromodiphenylether (NonaBDE)	-	mg/kg	5	ND
Decabromodiphenylether (DecaBDE)	-	mg/kg	5	ND
Dibutyl Phthalate(DBP)	1000	mg/kg	50	ND
Benzyl Butyl Phthalate(BBP)	1000	mg/kg	50	ND



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	Test Item(s)			Limit	Unit(s)	MDL	A1	
	Bis-(2-ethylhexyl) Phthalate(DEHP)			1000	mg/kg	50	ND	
	Diisobutyl Phthalate(DIB	SP)		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.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



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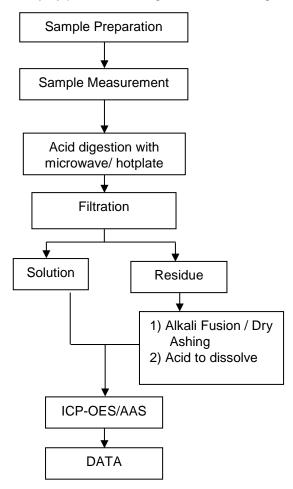
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No.: SZXEC23001722903

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Elements Testing Flow Chart

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





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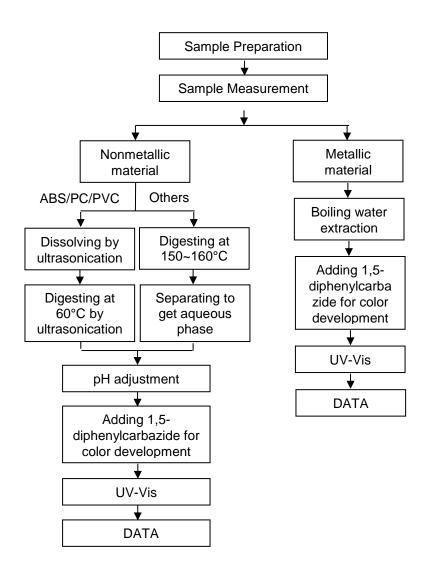
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Test Report ATTACHMENTS

Hexavalent Chromium (Cr(VI)) Testing Flow Chart





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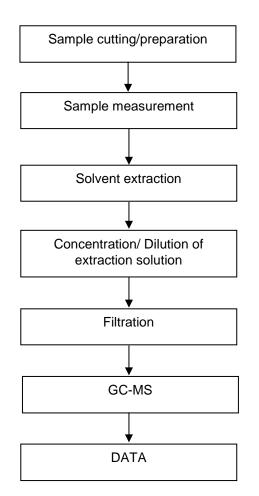
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PBBs/PBDEs Testing Flow Chart





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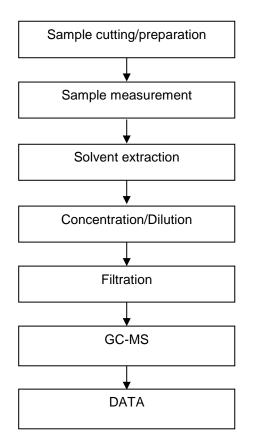
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Phthalates Testing Flow Chart





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