

Test Report

No.: SHAEC24020904303

Date: Sep 18, 2024

Page 1 of 21

Client Name: JCET Semiconductor (Chuzhou) Co.,Ltd
Client Address: No.999 Shiji RD., North industrial park, Chuzhou, Anhui China

Sample Name: VSSOP8 GREEN PRODUCT-PACKAGE PART , VSSOP8 GREEN
PRODUCT-LEAD PART
Client Ref. Information: Including SOT-23XL,SOT-23-G halogen-free
The above sample(s) and information were provided by the client.

SGS Job No.: SHP24-030073
Sample Receiving Date: Sep 11, 2024
Testing Period: Sep 11, 2024 ~ Sep 14, 2024
Test Requested: Select test(s) as requested by the client.
Test Method(s): Please refer to next page(s).
Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB) and Polybrominated diphenyl ethers (PBDE)	Pass
Element(s)	See Results
Halogen	See Results
Hexabromocyclododecane (HBCDD)	See Results
Phthalates	See Results
Perfluorooctanoic acid (PFOA) and its salts, Perfluorooctane sulfonic acid (PFOS) and its derivatives	See Results
AfPS GS 2019:01 PAK-Polycyclic Aromatic Hydrocarbons (PAHs)	See Results

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.


Dora Hu
Approved Signatory





Test Report

No.: SHAEC24020904303

Date: Sep 18, 2024

Page 2 of 21

Test Result(s):

Test Part Description






Test Item(s)	Limit	Unit(s)	MDL	A4
Pentabrominated diphenyl ether (PentaBDE)	-			





Test Report

No.: SHAEC24020904303

Date: Sep 18, 2024

Page 5 of 21

Test Item(s)	CAS No.	Unit(s)	MDL
--------------	---------	---------	-----





Test Report

No.: SHAEC24020904303

Date: Sep 18, 2024

Page 7 of 21

N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K)



Test Report

No.: SHAEC24020904303

Date: Sep 18, 2024

Page 8 of 21

Tetrapropylammonium perfluorooctanoate	277749-00-5
Potassium pentadecafluorooctanoate--water (1/1/2) (PFOA-K(H ₂ O) ₂)	98065-31-7
Perfluorooctanoic acid compd. with ethanamine (1:1) (PFOA-C ₂ H ₇ N)	1376936-03-6
Pentadecafluorooctanoic acid--pyridine (1/1) (PFOA-C ₅ H ₅ N)	95658-47-2
pentadecafluorooctanoic acid- 1-phenylpiperazine(1:1) (PFOA-C ₁₀ H ₁₄ N ₂)	1514-68-7
N,N,N-Trimethyloctan-1-aminium pentadecafluorooctanoate (PFOA-C ₁₁ H ₂₆ N)	927835-01-6

AfPS GS 2019:01 PAK-Polycyclic Aromatic Hydrocarbons (PAHs)

Test Method:



Test Report

No.: SHAEC24020904303

Date: Sep 18, 2024

Page 9 of 21

	(more than 30s) during the intended use -in toys according to Directive 2009/48/EC or -for the use by children ^{a,b} up to 3 years of age.	a. use by children	b. other consumer products	a. use by children	b. other consumer products
Benzo(a)pyrene (BaP) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(e)pyrene (BeP) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(a)anthracene (BaA) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(b)fluoranthene (BbF) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(j)fluoranthene (BjF) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(k)fluoranthene (BkF)mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Chrysene (CHR) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenzo(a,h)anthracene (DBA) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(g,h,i)perylene (BPE) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indeno(1,2,3-cd)pyrene (IPY) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Phenanthrene (PHE), pyrene (PYR), anthracene (ANT), fluoranthene (FLT), mg/kg	< 1 Sum	< 5 Sum	< 10 Sum	< 20 Sum	< 50 Sum
Naphthalene (NAP) mg/kg	< 1	< 2		< 10	
Sum of 15 PAHs	<1	< 5	< 10	< 20	< 50

Notes:

^a A "Child" is legally defined as a person before reaching the age of 14 years.

^b Use by children includes both active and passive contact by children.

^c Definition "short-term repetitive contact" taken from EN 71-1





Test Report

No.: SHAEC24020904303

Date: Sep 18, 2024

Page 10 of 21

(EC) No.1272/2013)

^d According to the definition of the German Product Safety Act (ProdSG) (chapter 1 Article 2 No. 28) "foreseeable use" shall mean the use of a product in a manner that the person placing it on the market, has not intended, but which could be reasonably foreseeable.

Remark:

The German committee on Product Safety (AfPS) published a new PAHs document (AfPS GS 2019:01 PAK) on April 10, 2020, which will be binding for the issue of GS mark certificate from July 1, 2020.

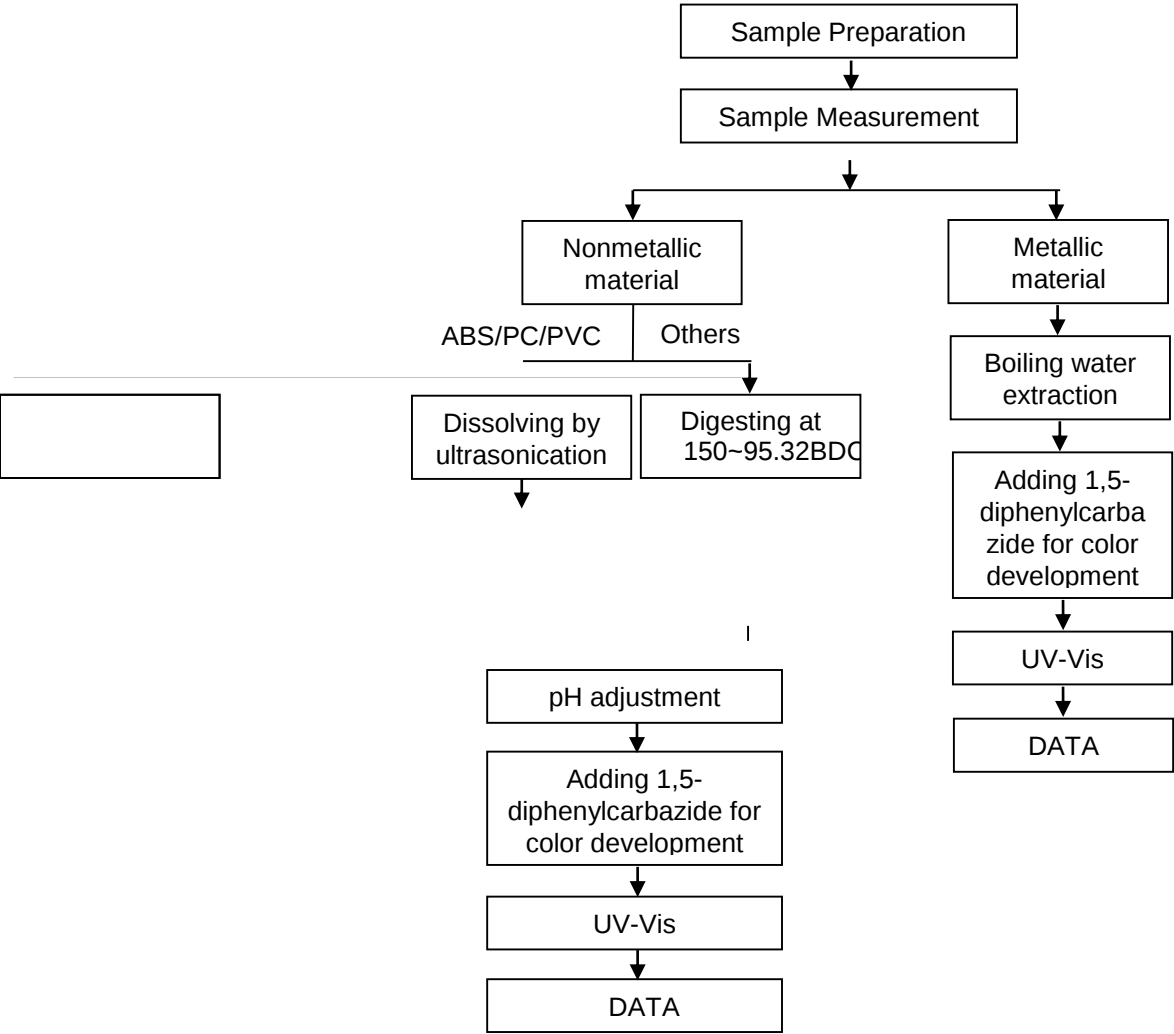
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for



ATTACHMENTS

Hexavalent Chromium (Cr(VI)) Testing Flow Chart

Name of the person who made testing: Alex Wang
Name of the person in charge of testing: Xiaolong Yang





Test Report

No.: SHAEC24020904303

Date: Sep 18, 2024

Page 14 of 21

ATTACHMENT/Bottom Type





Elements Testing Flow Chart

Name of the person who made



Test Report

No.: SHAEC24020904303

Date: Sep 18, 2024

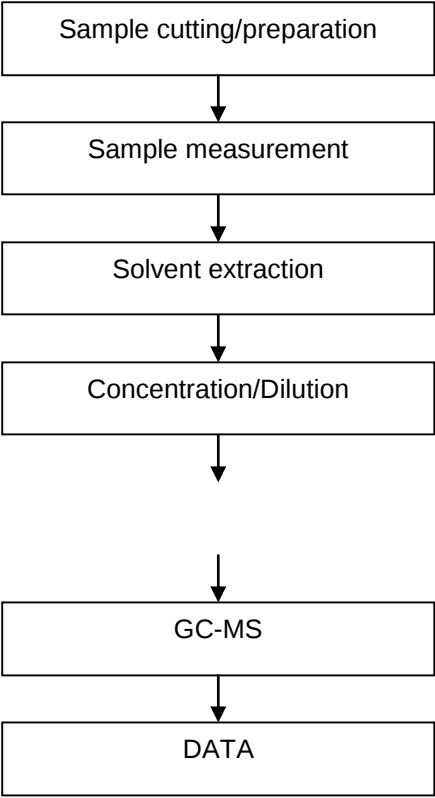
Page 17 of 21

ATTACHMENTS

HBCDD Testing Flow Chart

Name of the person who made testing: Gary Xu

Name of the person in charge of testing: Carol Cui





Test Report
ATTACHMENTS

No.: SHAEC24020904303

Date: Sep 18, 2024

Page 18 of 21



Test Report

No.: SHAEC24020904303



PAHs Testing Flow Chart

Name of the person who made testing: Liyas Wang
Name of the person in charge of testing: Liyas Wang

