

Test Report

No. SHAEC2113847801

Date: 09 Jul 2021

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JIEJIE Semiconductor Co.,Ltd.

No.6,Jinggangshan Road,Su Tong Industrial Park,Nantong City,JIANGSU Province

The following sample(s) was/were submitted and identified on behalf of the clients as : SOP-8

SGS Job No. : SP21-020685 - SH

Client Ref. Information : TO-3P、TO-92、TO-92CR、TO-92UR、TO-92-2L、TO-220A、TO-220B、TO-220AB、TO-220C、TO-220C-2L、TO-251、TO-252、TO-220F、TO-220FP、TO-220FP-2L、TO-220HF、SOT-223、TO-247、TO-247J-2L、TO-247S、TO-247J、ITO-247、TO-247-2L、TO-262、TO-252-4R、TO-263、DO-218AB、S MTO-218Tab、DO-15、DO-27、
DO-41、SOD-123FL、SOD-123FLT、SOD-123、SMA、SMAF、SMA-W、SM B、SMC、SMBF、R6、ABS、DBS、GBJ、GBU、KBP、MBF、MBS、SGBJ、SMD-4032、SMD-3225、SMT-4、SMTF、SMT、SMTJ、SMC-3、DFN0603-2L、DFN1006、DFN1006-2L、DFN1006-3L、SOD-923、SOD-723、SOD-523、SOD-323、SOD-323F、SOT-143、SOT-23、SOT23-3L、SOT23-5L、SOT23-6L、SOT-563、SOT-323、SOT-523、SOT-353、SOT-363、DFN2510-10L、DFN3810-9L、DFN2010-5L、DFN2010-8L、DFN1610-2L、DFN2020-2L、DFN2020-3L、DFN2626-10L、DFN4120-10L、DFN5515-18L、DFN3020-10L、DFN1610-6L、DFN3333-2L、DFN2*2-6L、FBP-02C-A、PDFN3.3X3.3-8L、PDFN5X6-8L

Date of Sample Received : 05 Jul 2021

Testing Period : 05 Jul 2021 - 09 Jul 2021

Test Requested : Selected test(s) as requested by client.

Test Method : Please refer to next page(s).

Test Results : Please refer to next page(s).

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

Carol Luo

Carol Luo
Approved Signatory

scan to see the report



SHAEC2113847801



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SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Testing Center - China Head Office

3rd Building, No. 889 Yishan Road Xuhui District, Shanghai China 200233
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233

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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	SHA21-138478.001	Black body with silvery metal

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

Polycyclic aromatic hydrocarbons (PAHs)

Test Method : With reference to AfPS GS 2019:01 PAK, analysis was performed by GC-MS.

Test Item(s)	Unit	MDL	001
Benzo(a)pyrene(BaP)	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	mg/kg	0.1	ND
Benzo(a)anthracene(BaA)	mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF)	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	mg/kg	0.1	ND
Benzo(k)fluoranthene(BkF)	mg/kg	0.1	ND
Chrysene(CHR)	mg/kg	0.1	ND
Dibenzo(a,h)anthracene(DBA)	mg/kg	0.1	ND
Benzo(g,h,i)perylene(BPE)	mg/kg	0.1	ND
Indeno(1,2,3-c,d)pyrene(IPY)	mg/kg	0.1	ND
Phenanthrene(PHE)	mg/kg	0.1	ND
Pyrene(PYR)	mg/kg	0.1	ND
Anthracene(ANT)	mg/kg	0.1	ND
Fluoranthene(FLT)	mg/kg	0.1	ND
Sum of Phenanthrene(PHE), Pyrene(PYR), Anthracene(ANT), Fluoranthene(FLT)	mg/kg	-	ND
Naphthalene(NAP)	mg/kg	0.1	ND
Sum of 15 PAHs	mg/kg	-	ND



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AfPS (German commission for Product Safety) : PAHs requirements

Parameter Unit : mg/kg	Category 1	Category 2		Category 3	
	Materials intended to be placed in the mouth, or materials coming into long-term contact with skin (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)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(e)pyrene (BeP)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(a)anthracene (BaA)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(b)fluoranthene (BbF)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(j)fluoranthene (BjF)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(k)fluoranthene (BkF)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Chrysene (CHR)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenzo(a,h)anthracene (DBA)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(g,h,i)perylene (BPE)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indeno(1,2,3-cd)pyrene (IPY)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Phenanthrene (PHE), pyrene (PYR), anthracene (ANT), fluoranthene (FLT)	< 1 Sum	< 5 Sum	< 10 Sum	< 20 Sum	< 50 Sum
Naphthalene (NAP)	< 1	< 2		< 10	
Sum of 15 PAHs	< 1	< 5	< 10	< 20	< 50

Note:

^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 REACH Annex XVII entry 50 amendment (Regulation (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.



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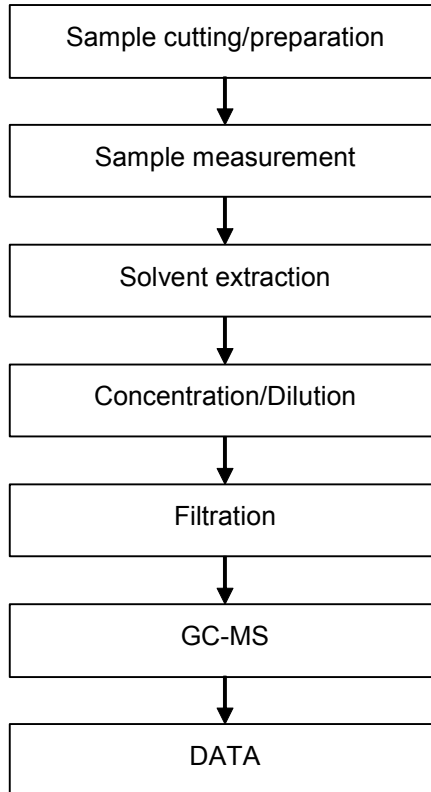
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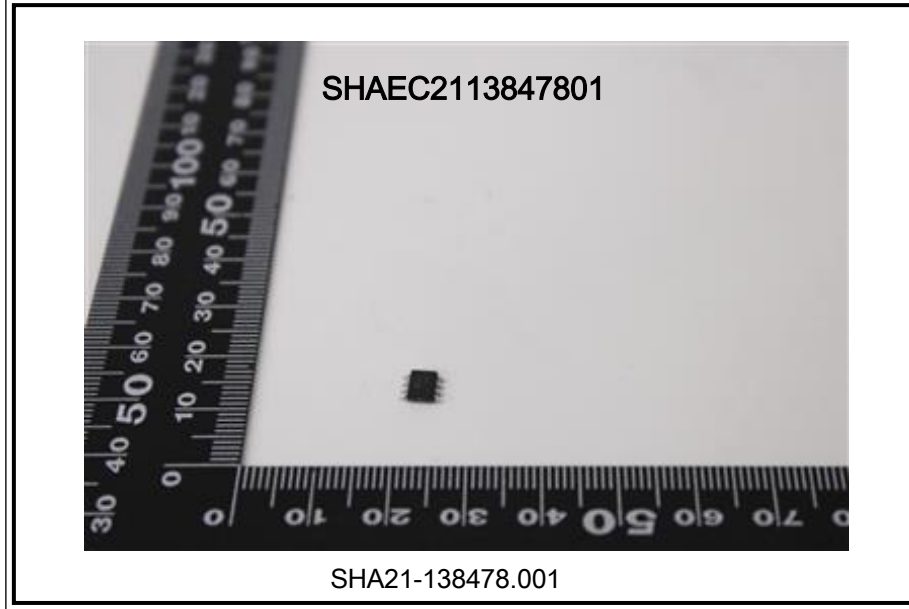
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PAHs Testing Flow Chart



Sample photo:



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*** End of Report ***

