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检测
TESTING
CNAS L4136



WTH25H02030294C



TEST REPORT

Report No : WTH25H02030294C

Applicant : SHENZHEN KESENES SEMICONDUCTOR CO.LTD.

Address : No.6,Lane 3,Fuxin Road,Shantangwei,Pingdi Street,Longgang District,Shenzhen,Guangdong,China

Sample Name : SOT23-6

Sample Model : SOT23-6

Client's Ref. Info. : SOT23/23-3/23-5/223/89-5/89/143/143R/153/163/223/323/343/343R/353/363/523/563/723/923/353/363/883,SOP4/8/14/16/18/20/24,TSSOP8/14/16/18/20/24,DFN/PDFN/QFN,SOD106/123/123F/123FL/123FH/323/323F/323FL/523/723/882/923.D015/27/34/35/41/123AB/201AD,TO92/126/220/220AB/220MF/220F/247/251/252/263/277,LL34/41/43/51,SMA/SMAF/SMB/SMBF/SMC,0402/0603/0805/1206,R1/3/6,DIP,1N/1Z,SC59/75,ABF/ABS/LBF/DBS/DBJ/DFS/KBL/GBL/GBJ/GBP/MBS/MSB/MLP/MDS/MBF/TWB/MB/TSB/WOB/WOG/KBP/KBU/KBPC/TS4B/RB-5

Test Requested : Refer to next page (s)

Test Conclusion : Refer to next page (s)

Date of Receipt sample . : 2025-02-18

Testing period : 2025-02-18 ~ 2025-02-21

Date of Issue : 2025-02-26

Test Result : Refer to next page (s)

Prepared By:

Waltek Testing Group HCT (Shenzhen) Co., Ltd.

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Signed for and on behalf of
Waltek Testing Group HCT (Shenzhen) Co., Ltd.


Michael Huang
Waltek Testing Group HCT (Shenzhen) Co., Ltd.
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Test Requested	Test Conclusion
1. Determine the designated Phthalates content in the sample with reference to Client's Limit.	PASS
2. Determine the 15 polycyclic aromatic hydrocarbons (PAHs) content in the sample with reference to the requirements of Category2: Other consumer products according to AfPS GS 2019:01PAK.	PASS

The photo of the sample



Test Result(s):
designated Phthalates content

Test Method/Equipment: EN 14372:2004; GC-MS

Test Item(s)	CAS No.	Unit	MDL	Result(s)	Limit
Diisononyl phthalate (DINP)	28553-12-0/ 68515-48-0	mg/kg	100	ND	1000
Di-n-octyl phthalate(DNOP)	117-84-0	mg/kg	30	ND	1000
Diisodecyl phthalate (DIDP)	26761-40-0/ 68515-49-1	mg/kg	100	ND	1000
Dimethyl phthalate (DMP) ⁿ	131-11-3	mg/kg	30	ND	1000
Diethyl phthalate(DEP) ⁿ	84-66-2	mg/kg	30	ND	1000
Dipentyl phthalate(DPP) ⁿ	131-18-0	mg/kg	30	ND	1000
Di-n-hexyl Phthalate(DnHP) ⁿ	84-75-3	mg/kg	30	ND	1000
Di-isooctyl phthalate (DIOP) ⁿ	27554-26-3	mg/kg	100	ND	1000
Di-(2-methoxyethyl) phthalate(DMEP) ⁿ	117-82-8	mg/kg	30	ND	1000
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) ⁿ	71888-89-6	mg/kg	100	ND	1000
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP) ⁿ	68515-42-4	mg/kg	100	ND	1000

15 polycyclic aromatic hydrocarbons (PAHs) content
Category2: Other consumer products

Test Method/Equipment: AfPs GS 2019:01 PAK; GC-MS

Test Item(s)	CAS No.	Unit	MDL	Result(s)	Limit
Benzo[a]pyrene	50-32-8	mg/kg	0.2	ND	<0.5
Benzo[e]pyrene	192-97-2	mg/kg	0.2	ND	<0.5
Benzo[a]anthracene	56-55-3	mg/kg	0.2	ND	<0.5
Benzo[b]fluoranthene	205-99-2	mg/kg	0.2	ND	<0.5
Benzo[j]fluoranthene	205-82-3	mg/kg	0.2	ND	<0.5
Benzo[k]fluoranthene	207-08-9	mg/kg	0.2	ND	<0.5
Chrysene	218-01-9	mg/kg	0.2	ND	<0.5
Dibenzo[a,h]anthracene	53-70-3	mg/kg	0.2	ND	<0.5
Benzo[ghi]perylene	191-24-2	mg/kg	0.2	ND	<0.5
Indeno[1,2,3-cd]pyrene	193-39-5	mg/kg	0.2	ND	<0.5
Phenanthrene	85-01-8	mg/kg	0.2	ND	—
Anthracene	120-12-7	mg/kg	0.2	ND	—

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Test Item(s)	CAS No.	Unit	MDL	Result(s)	Limit
Fluoranthene	206-44-0	mg/kg	0.2	ND	—
Pyrene	129-00-0	mg/kg	0.2	ND	—
Sum of (Phenanthrene, Anthracene, Fluoranthene, Pyrene)	—	mg/kg	—	ND	<10
Naphthalene*	91-20-3	mg/kg	0.2	ND	<2
Sum of above 15 PAHs	—	mg/kg	—	ND	<10

Note:

mg/kg (milligram per kilogram) = ppm (parts per million)

ND=Not Detected

MDL=Method Detection Limit

Results shown as ND are ignored in the sum calculation.

*=The naphthalene result always shows only the current situation of the test sample at the time of measuring.

Sample Description:

No.	HCT Sample ID	Test Part Description		Note
1	WTH25H02030276C~0295C.1	1	Black body	•

Note:

•=Actual tested sample

Remark:

According to AfPS GS 2019:01PAK: Maximum PAHs limits as shown below):

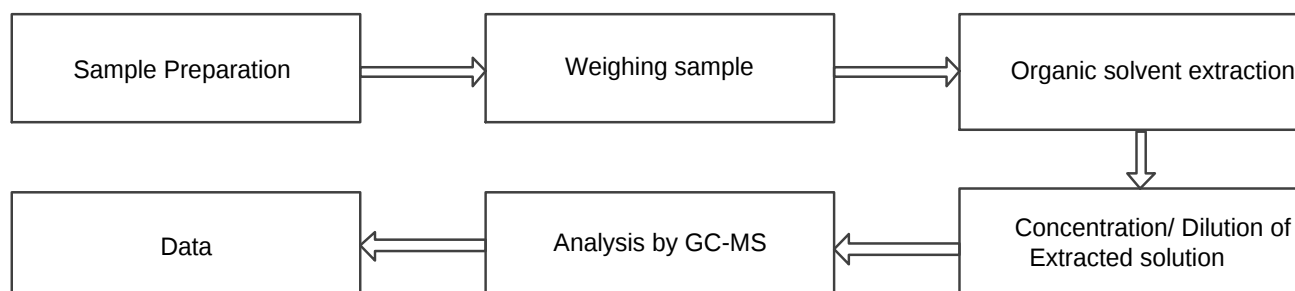
Unit:mg/kg

Parameter	Category1	Category2		Category3	
	Materials intended to be placed into the mouth, or Materials in toys or articles for children up to 3 years of age with intended long-term skin contact (more than 30 s)	Materials that do not fall into Category 1 with intended or foreseeable long-term skin contact (more than 30 s) or repeated short-term skin contact*		Materials that do neither fall into Category 1 nor 2 with intended or foreseeable short-term skin contact (up to 30 s)	
		Use by children	Other consumer products	Use by children	Other consumer products
Benzo[a]pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[e]pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[a]anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[b]fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1

Parameter	Category1	Category2		Category3	
	Materials intended to be placed into the mouth, or Materials in toys or articles for children up to 3 years of age with intended long-term skin contact (more than 30 s)	Materials that do not fall into Category 1 with intended or foreseeable long-term skin contact (more than 30 s) or repeated short-term skin contact*		Materials that do neither fall into Category 1 nor 2 with intended or foreseeable short-term skin contact (up to 30 s)	
		Use by children	Other consumer products	Use by children	Other consumer products
Benzo[j]fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[k]fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Chrysene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenzo[a,h]anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[g,h,i]perylene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indeno[1,2,3-cd]pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Phenanthrene, Pyrene, Anthracene, Fluoranthene	< 1 Sum	< 5 Sum	< 10 Sum	< 20 Sum	< 50 Sum
Naphthalene	< 1	< 2		< 10	
Sum of 15 PAHs	< 1	< 5	< 10	< 20	< 50

*: repeated short-term skin contact" from REACH Annex XVII Nr. 50 amendment (COMMISSION REGULATION (EU) No 1272/2013).

Test Flow Chart:



Statement:

1. This report is considered invalid without approved signature and special seal.
2. The Applicant name and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which HCT hasn't verified.
3. The result(s)(conclusion) shown in this report refer(s) only to the sample(s) tested.

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4. Without written approval of HCT, this report can't be reproduced except in full.
5. The result(s) in no CMA logo report shall only be used for client's scientific research, teaching, internal quality control, product research and development, etc..and just for internal reference.
6. The "n" in CNAS logo report means that the test item(s) was (were) currently not applying for CNAS accreditation.
7. Decision rules used in this report:
 - (1)According to the Decision rules in the regulations/standards listed in the Test Requested;
 - (2)If there is no Decision rules specified in the regulations listed in the Test Requested, then according to CNAS-GL015 Guidelines on Decision Rules and Statements of Conformity, 6.2.1, Simple Acceptance ($w=0$) of The binary Decision rule:
PASS (Accepted) - The measured value is within the tolerance interval.
FAIL (Rejected) - The measured value is outside the tolerance interval.

===== End of Report =====