

Report No. :GXH21100659(E)

# 中科检测技术服务(广州)股份有限公司

CAS Testing Technical Services (GuangZhou) Co.,Ltd.

Date : 2021/11/03

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#### 中国认可 国际互订TEST REPORT 检测 TESTING CNAS L7673

Applicant : Address : Shenzhen H-meisi New Material Tech Co., Ltd2# Factory Building, No. 2, Wu Alley, Laokeng Industrial Zone, Laokeng Community, Longtian Street, Pingshan District, Shenzhen

The following merchandise was (were) submitted and identified by the client as:

Name of Sample : Test Type : Analysis No. : Sample Quantity : Batch No. /Brand/Model : Sample Received ; Test Period : Test Period : Test Method : Test Result : Conclusion : P clamps Commission GXH21100659

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12.7HTR series 2021/10/27 2021/10/27-2021/11/03 Please refer to next page(s).

Please refer to next page(s).

Based on the performed tests on submitted sample(s), the results of Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent chromium (Cr(VI)), Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP), and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive 2011/65/EU and its amendment Directive (EU) 2015/863.

Edited by:

Checked by:

Approved by:

**Official Seal:** 

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<b>TEST RESULT:</b> Sample Description:			MS OF TRAIN		
Material No.	e este	Description			
001	- ccielle	Black silicone	the Char		
Remark:	m. Ou	2 200	to. To.		
<ol> <li>1 mg/kg = 0.0001%;</li> <li>MDL = Method Detection Limit;</li> </ol>	M restin	chinese he	1 Sciences		
<ul><li>3) ND = The test result was below the</li></ul>	e method detection limit o	r limit of quantitation,	i.e., the corresponding te		
st item was not detected.;	and an cost	the Key	200		
4) "-" = Not Regulated;	sc. ciences	Chinese.	of Sciences		
RoHS Directive 2011/65/EU and its am	nendment Directive (EU)	2015/863	Capitor		
Test Method:	Jenn in	18 10	don and		

- 1) Lead (Pb) and Cadmium (Cd): IEC 62321-5: 2013, analysis by ICP-OES/AAS;
- 2) Mercury (Hg): IEC 62321-4: 2013/AMD1: 2017, analysis by ICP-OES;
- 3) Hexavalent chromium (Cr(VI)) : IEC 62321-7-1: 2015/IEC 62321-7-2: 2017, analysis by UV/VIS;
- 4) PBBs and PBDEs : IEC 62321-6: 2015 analysis by GC-MS;
- 5) DEHP, BBP, DBP and DIBP : IEC 62321-8: 2017 analysis by GC-MS.

#### Limit Requirement:

According to Directive 2011/65/EU with its amendment Directive (EU) 2015/863, The maximum concentration values tolerated of Lead (Pb), Mercury (Hg), Hexavalent chromium (Cr(VI)), Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP), and Diisobutyl phthalate (DIBP) are not greater than 0.1% (w/w), and Cadmium (Cd) is not greater than 0.01% (w/w) by weight in homogeneous materials of electrical and electronic products.

\*\*\*\*\*\* TO BE CONTINUE \*\*\*\*\*\*



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CSC 2010		Alle		Test Result	Conclusion
Test Item	Unit	Limit	MDL	001	001
*Lead (Pb)	mg/kg	1000	10	ND	PASS
*Cadmium (Cd)	mg/kg	100	10	ND	PASS
*Mercury (Hg)	mg/kg	1000	10	ND	PASS
Hexavalent chromium (Cr(VI))	mg/kg	1000	10	ND	PASS
Sum of PBBs	mg/kg	1000	Per-	ND	PASS
Monobromobiphenyl	mg/kg	e "#	20	ND	
Dibromobiphenyl	mg/kg	-	20	ND	-
Tribromobiphenyl	mg/kg	Shi.	20	ND	- 68
Tetrabromobiphenyl	mg/kg	202	20	ND	- es
Pentabromobiphenyl	mg/kg	P -	20	ND	a all a
Hexabromobiphenyl	mg/kg	-	20	ND	12
Heptabromobiphenyl	mg/kg	-	20	ND 📈	22
Octabromobiphenyl	mg/kg	- nh	20	ND	
Nonabromobiphenyl	mg/kg	x 05/1100	20	ND	no.
Decabromobiphenyl	mg/kg	<u> </u>	20	ND	- de
Sum of PBDEs	mg/kg	1000	117	ND	PASS
Monobromodiphenyl ether	mg/kg	-	20	ND	des -
Dibromodiphenyl ether	mg/kg	- 33	20	ND 🚫	
Tribromodiphenyl ether	mg/kg	COSV	20	ND	-
Tetrabromodiphenyl ether	mg/kg	05	20	ND	- 3
Pentabromodiphenyl ether	mg/kg	lo-	20	ND	05
Hexabromodiphenyl ether	mg/kg	-	20	ND	a ille
Heptabromodiphenyl ether	mg/kg	-	20	ND	120-
Octabromodiphenyl ether	mg/kg	- 5	20	ND	600 - V
Nonabromodiphenyl ether	mg/kg	all on	20	ND ND	- 3
Decabromodiphenyl ether	mg/kg	Pozie,	20	ND	On-
*Dibutyl phthalate (DBP)	mg/kg 📏	1000	100	ND	PASS
*Butyl benzyl phthalate (BBP)	mg/kg	1000	100	ND ND	PASS
*Bis(2-ethylhexyl) phthalate (DEHP)	mg/kg	1000	100	ND	PASS
*Diisobutyl phthalate (DIBP)	mg/kg	1000	0100	ND	PASS
Ili il		< 05	1	ă.	× 25
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### Statement

- 1. This report is issued by The CAS Testing Technical Services (GuangZhou) Co.,Ltd. (hereinafter referred to as "Our Company").
- 2. This report is invalid if not affixed with authorized stamp of test and paging seal.
- 3. This report is invalid without signature of verifier and approver.
- 4. This report is invalid if being supplemented, deleted or altered.
- 5. Without written permission of our Company, this report can not be reproduced in part (except in whole).
- 6. The result(s) shown in this report refer only to the sample(s) tested.
- 7. Objections to this report must be submitted to our Company within 15 days. Otherwise, it will automatically deem to have accepted this report.
- 8. The Client shall be responsible for the accuracy, authenticity and completeness of the samples and information submitted for inspection, and the disputes arising therefrom shall be borne by the Client.
- 9. As any reports is issued as a result of this application for testing services, our Company will strictly keep confidentiality to the Clients. Except where disclosure is required on the basis of laws, regulations, judgments, and rulings (including in accordance with summons, court, or government proceedings).
- 10. The result(s) or conclusion(s) shown in this report about the description of the characteristics, composition, properties or quality are based on the specific time, methods and applicable criteria Using different methods and criteria or under different environmental conditions for testing may come to different conclusions.
  - Since our Company's causes lead to modify the contents of this report, our Company shall reissue this report and bear the modification cost. The Client shall return the original report. Since the Client's causes lead to modify the contents of this report, the Client need to submit an application form for the change of report to our Company. The Client shall bear the modification cost and return the original report if our Company approves to reissue this report.

The English version of this statement is translated from the Chinese one. If there is any disagreement between them, the Chinese version will be the final explanation.

 \* indicates that the project was tested in the Huangpu Laboratory of our company. Huangpu Laboratory is not accredited.