

Null-Teil-Anerkennungsschreiben

Name des Lieferanten: Shenzhen Meixin Chuang Innovation Packaging Products Co., Ltd.

Agent: Kein

Materialname: Energieeffizienzertifikat

Lieferantenmodell: /

Huik-Modell: Energieeffizienz-Label für Synthetisches Papier 32FZ-B, 96×192 mm

Modell: 32FZ-B

Materialkennung von Hikvision: 280804050520

Begründung für die Einreichung von Proben:

- | | | |
|--|--|--|
| ☒ Neues Material | ☐ Änderung des Designs | ☐ Kosten senken |
| ☐ Ersatzmaterial | ☐ Qualitätsverbesserung | ☐ Anders |

Hikvision-Bemerkung:

Hikvision Signaturabteilung:

- | | |
|--|---|
| ☐ Forschungs- und Entwicklungszentrum | ☐ Ingenieurabteilung |
|--|---|

Ob eine Testversion durchgeführt wird:

- | | |
|---|--|
| ☐ Keine Probeausführung erforderlich | Materialzustand der Sicherheitsvorschriften |
| ☐ Abschluss der Testphase | ☐ Ist ☐ Nein |

Genehmigung	Sicherheitsprüfungen	Korrektur: Zulassung von Bauteilen	Prüfung	Erstellung

Adresse: Huikē-Industriepark, Shilongzai, Shiyan, Bezirk Bao'an, Shenzhen

2388 Dongcheng Avenue, Jieshi Town, Banan District, Chongqing

200 Meter westlich der Kreuzung Wanluoshan und Kuihe in der Xinzhan-Region von Hefei

Huik Electronics (Beihai) Science and Technology Industrial Park, Nr. 10 Taiwan Road,

Industriepark Beihai, Guangxi; Elektronik- und Informationstechnologie-Industriepark,

Dianjun High-Tech Zone, Yichang, Provinz Hubei, Nr. 299 Jiangjun Road

Telefon: 0755-36905666-8109

Fax: 0755-36905666-8088

深圳市美创新包装制品有限公司

Zustimmungserklärung für Proben

SPECIFICATION FOR APPROVAL

Kundenname:Huike Co., Ltd.

★ Customer

Abmessungen:96*192 mm★

Materialnummer unseres Unternehmens: 280804050520

★ Part No.

Datum der Probenübermittlung:2025/6/28

★ Date

Bestätigung im Monat (TRX-APPROVAL)			
Genehmigung	Ingenieurwesen	Erstellen	Unterschied
Zhang Jinju	Wang Zhiqiang	Yang Haifang	
Kundenbestätigung			
Bestätigung des Schutzes: ☐ Eingetragen ☐ Unzulässig ☐ Anders			

Prüfbericht für Proben

Produktname: <u>Energieeffizienz-zertifikat</u>		Materialnummer: <u>280804050520</u>			
Arten der Proben: _____		Datum der Bestätigung: _____ Jahr _____ Monat _____ Tag			
Bestätigung der Ursache: ☐ Altes Material – Neues Produkt ☐ Spezifikation ☒ Neues Material ☐ Wieder bestätigen					
Projekt	Standard	Messung	Bestätigungsergebnis		
Material	Synthetisches Papier	Synthetisches Papier	OK		
Erscheinungsbild	Farbig	Farbig	OK		
		/			
Oberflächenbeschichtung	Dünnes Folienmaterial	Dünnes Folienmaterial	OK		
Druckinhalte	Nach den Zeichnungen	Kompatibel mit den Zeichnungen	OK		
Klebstoff / Rückklebstoff	Erste Klebstofffestigkeit ≤7	Erste Klebstofffestigkeit ≤7	OK		
Temperaturbeständigkeit	-5~100℃	-5~100℃	/		
Feuchtigkeit	65%±5	65%±5	/		
Hinweis					
Prüfung der Formmaße					
Nummer	Größe und Prüfung	Messgröße	Befund		
1	96mm	96mm	OK		
2	192mm	192mm	OK		
3					
4					
5					
6					
7					
8					
Endgültiges Ergebnis: ☒ OK ☐ NG ☐ OTHER					
Genehmigung	Zhang Jinju	Prüfung	Wang Zhiqiang	Erstellen	Yang Haifang



Tabelle zur Analyse von Daten zu Materialien im Umweltmanagement
List of Environment-related substances to be managed

[illegible]

REACH-Regelung – SVHC-Untersuchungstabelle

Questionnaire of SVHC defined in REACH laws and Regulations

Name des Lieferanten: Supplier name:	Shenzhen Meixin Chuang Innovation Packaging Products Co., Ltd.
Unterschrift des beauftragten Vertreters: Signature of representative:	Zhang Jinju
Da- tum:	2025/6/28
Unterschrift des Unternehmens: Company Seal:	



HKC Materialnummer HKC P/N	Beschreibung des Produktnamens Part Description	Gewicht des Produkts (Unit:g)	SVHC – Name der Substanz	SVHC-Material, CAS-Nummer	Masse der SVHC-Substanz SVHC weight (Unit:g)	Anteil des SVHC- Gehalts am Produkt total product (Unit:%)	Zweck der Verwendung von SVHC-Materialien Purpose Of Using
280804050520	Energieeffizienz-Label 96*192 mm	\	not contain	N/A	0.000000	0.00%	

Hinweis: 1. Sollte das Produkt SVHC-Stoffe enthalten, die in der Liste aufgeführt sind, müssen diese in dieser Tabelle gemeldet werden.
Should you declare relevant information in this page if the product contain SVHCs.

2. In den Spalten F und G sind die konkreten Werte des Inhalts der Materialien an der HKC-Börse einzutragen.
Detail numerical data should be filled in column F,G.

3. Falls das gehandelte Material keine SVHC-Stoffe gemäß der REACH-Verordnung enthält, müssen die entsprechenden Angaben in den Feldern „HKC-Materialnummer“, „Produktbeschreibung“ und „Produktgewicht“ eingefüllt werden. Im Feld „Enthaltenes SVHC-Namen“ ist „Keine SVHC enthalten“ auszugeben; danach ist der Feldbereich frei zu lassen.
If the products do not contain SVHCs,The information"HKC P/N","Part Description","Part weight" should be provided, and fill"not contain" in columnD,leaving others blank.

Shenzhen Meixin Chuang Innovation Packaging Products Co., Ltd.

Verpackungsstandards für die Auslieferung

Materialnummer:	280804050520	Produktname:	Energieeffizienz-zertifikat
Produktmerkmale:	96*192mm	Verpackungsmaterial:	PE-Verpackungs-membran
Paketanzahl:	Je nach Bestellung	Verpackungsart:	Verpackungsmaterial für Verpackungen

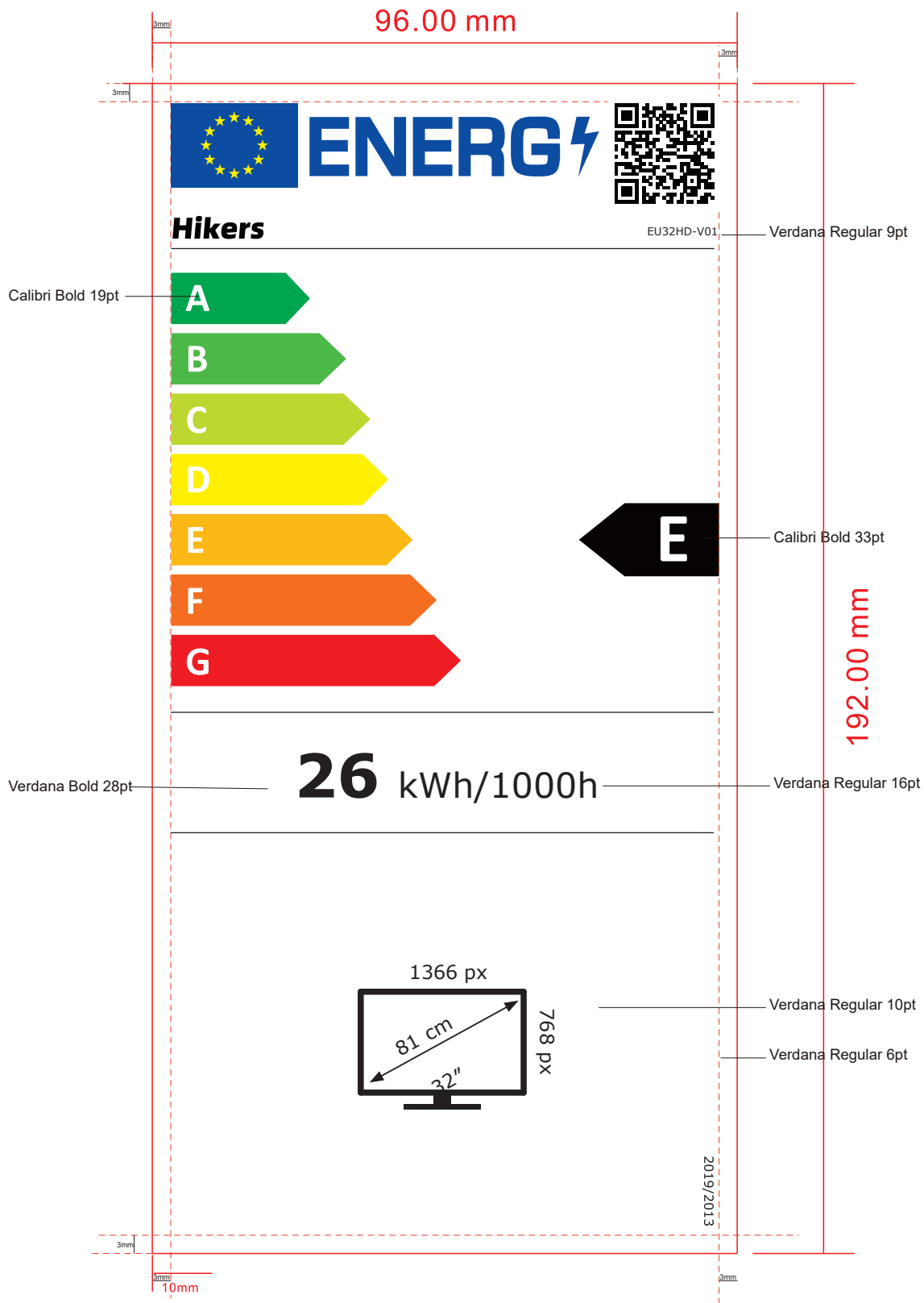


Abbildung 1: Verpackungskartonansicht (Auslieferungs- und RoHS-Label an der Verpackungsspitze)



Entwurf: Yang Haifang

Prüfung: Zhang Jinju



C,M,Y,K色值

	100,80,0,0
A级	: 100,0,100,0
B级	: 70,0,100,0
C级	: 30,0,100,0
D级	: 0,0,100,0
E级	: 0,30,100,0
F级	: 0,70,100,0
G级	: 0,100,100,0

备注：

1. 材质：

Synthetisches Papier
2. 规格厚度：50#
3. 表面处理：过光膜
4. 粘贴位置：

Karton mit Klebeplastik*1

Anhängerschachtel*1
5. 印刷要求：四色印刷

Materialnummer	280804050520	Materialname	Energieeffizienzplakat
Land/Bestellung	Frankreich	Fabrikmodell	
Spezifikation		Proportion	1:1
Entwurf	yaocaifeng	Technische Bestätigung	
Material	Synthetisches Papier		
Hinweis			

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Client Name: HUIZHOU YIJIA NEW MATERIAL CO.,LTD

Client Address: BOLUO COUNTY,HUIZHOU CITY,YUANZHOU TOWN LIWU VILLAGE SAND LAKE

Sample Name: Synthetic paper

Model No.: PG54

Client Ref. Information: PG40、PG75、PG95、PG200

The above sample(s) and information were provided by the client.

SGS Job No.: SZP24-053827

Sample Receiving Date: Dec 06, 2024

Testing Period: Dec 06, 2024 ~ Dec 11, 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
Halogen	See Results

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

Ford

Ford Shi

Approved Signatory

scan to see the report



893A84A9



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Shenzhen Branch Testing Center Chemical Laboratory

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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	SZX24-0038242-0001.C001	White adhesive paper

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 (PBB), Polybrominated diphenyl ethers (PBDE), 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 and IEC 62321-12:2023, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A1
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Polybrominated biphenyls (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	25	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	25	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	25	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	25	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	25	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	25	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	25	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	25	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	25	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	25	ND
Polybrominated diphenyl ethers (PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	25	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	25	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	25	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	25	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	25	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	25	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	25	ND



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Test Item(s)	Limit	Unit(s)	MDL	A1
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	25	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	25	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	25	ND
Di-2-Ethyl Hexyl Phthalate (DEHP)	1000	mg/kg	50	ND
Benzyl Butyl Phthalate (BBP)	1000	mg/kg	50	ND
Dibutyl Phthalate (DBP)	1000	mg/kg	50	ND
Diisobutyl Phthalate (DIBP)	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.

Halogen

Test Method: With reference to EN 14582:2016, analysis was performed by IC.

Test Item(s)	Unit(s)	MDL	A1
Fluorine(F)	mg/kg	20	ND
Chlorine(Cl)	mg/kg	50	ND
Bromine(Br)	mg/kg	50	ND
Iodine(I)	mg/kg	50	ND

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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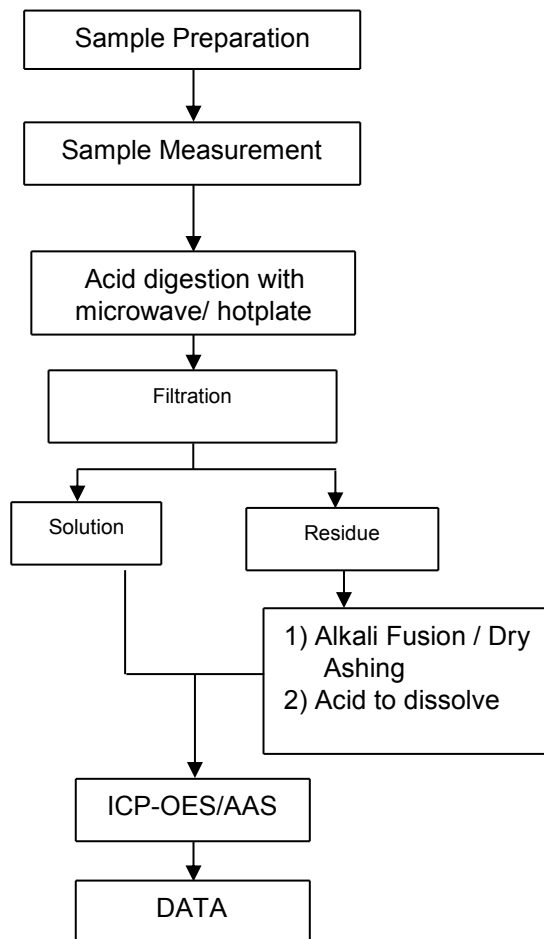
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Elements Testing Flow Chart

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



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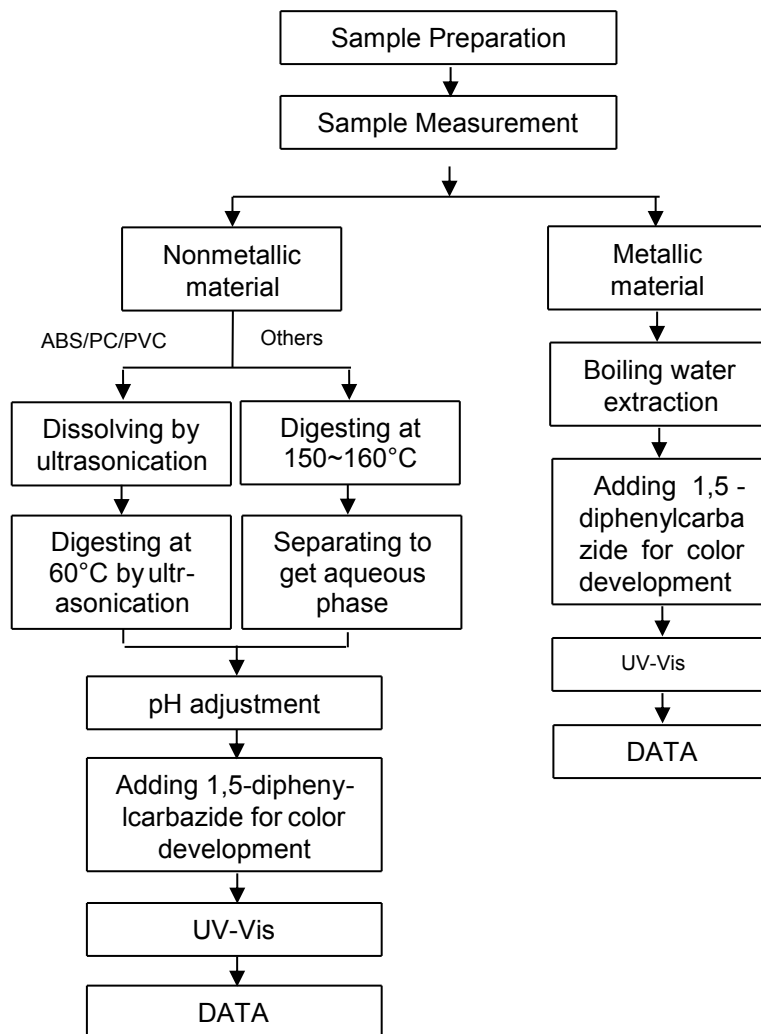
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Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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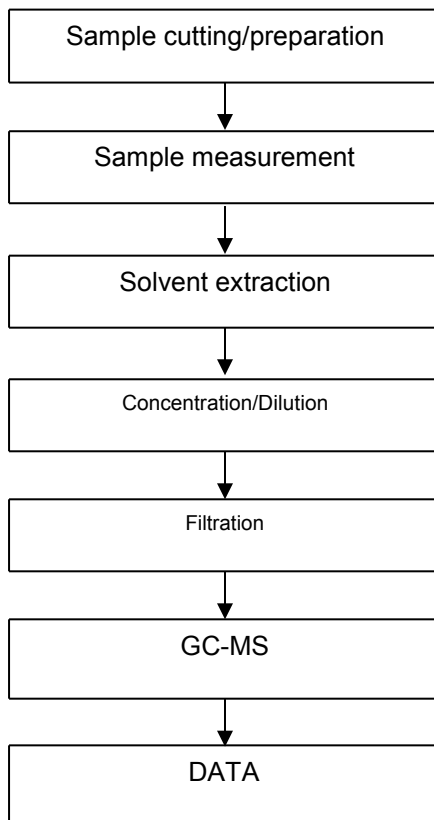
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PBB/PBDE/Phthalates Testing Flow Chart



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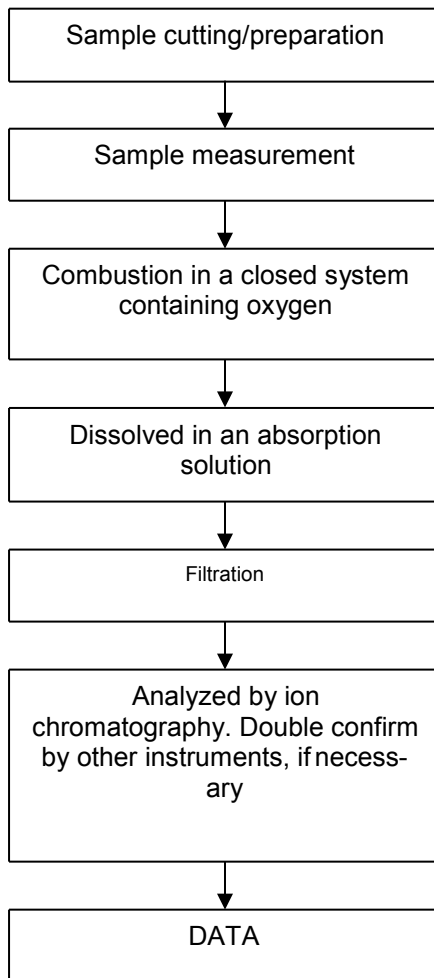
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Halogen Testing Flow Chart



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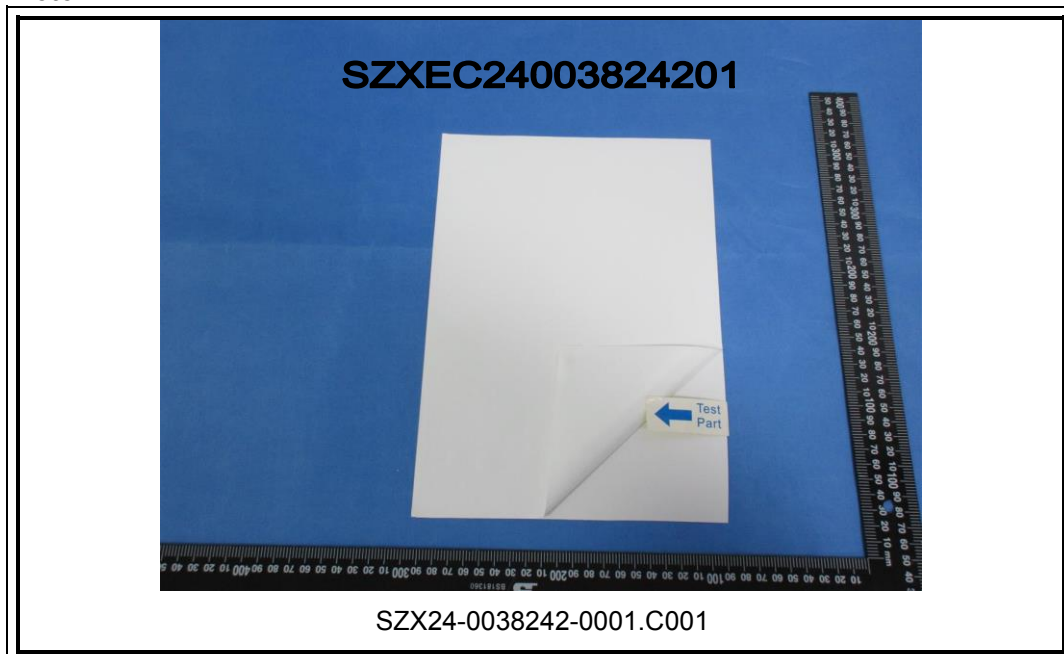
Test Report

No.: SZXEC24003824201

Date: Dec 11, 2024

Page 8 of 8

Sample Photo:



SGS authenticate the photo on original report only
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Test Report



Report No. A2250014860101023

Page 1 of 7

Company Name ZHONGSHAN FUZHOU ADHESIVE-PRODUCT CO.,LTD

shown on Report

Address NO.32, YIXIAN ROAD, TORCH HIGH TECHNOLOGY DEVELOPMENT ZONE,
ZHONGSHAN CITY, GUANGDONG, P.R. CHINA

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

Sample Name Ölharz
Sample Received Date Jan. 8, 2025
Testing Period Jan. 8, 2025 to Jan. 15, 2025

Test Requested As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP) in the submitted sample(s).

Test Method Please refer to the following page(s).

Test Result(s) Please refer to the following page(s).

Conclusion



Tested Sample	According to standard/directive	Result
Submitted Sample	RoHS Directive 2011/65/EU with amendment (EU) 2015/863	PASS

PASS means that the results shown on the report comply with the limits set by RoHS Directive 2011/65/EU with amendment (EU) 2015/863.



Approved by

Wenjun Wang

Date

Jan. 15, 2025

Wenjun Wang Lab Authorized Signatory

No. R200821276

Centre Testing International Group Co.,Ltd. Shunde Branch

Yongying Building, Section 2, No.8, East of Rongqi Avenue, Ronggui, Shunde District, Foshan, Guangdong, China

Test Report

Report No. A2250014860101023

Page 2 of 7

Test Method

Test Item(s)	Test Method	Measured Equipment(s)
Lead (Pb)	IEC 62321-5:2013	ICP-OES
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
Hexavalent Chromium (Cr(VI))	IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013	UV-Vis/ICP-OES
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS
Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS

Test Report

Report No. A2250014860101023

Page 3 of 7

Test Result(s)

Tested Item(s)	Result	MDL	Limit
	023		
Lead (Pb)	N.D.	2 mg/kg	1000 mg/kg
Cadmium (Cd)	N.D.	2 mg/kg	100 mg/kg
Mercury (Hg)	N.D.	2 mg/kg	1000 mg/kg
Hexavalent Chromium (Cr(VI))	N.D.	8 mg/kg	1000 mg/kg
Tested Item(s)	Result	MDL	Limit
	023		
Polybrominated Biphenyls (PBBs)			
Monobromobiphenyl	N.D.	5 mg/kg	1000 mg/kg
Dibromobiphenyl	N.D.	5 mg/kg	
Tribromobiphenyl	N.D.	5 mg/kg	
Tetrabromobiphenyl	N.D.	5 mg/kg	
Pentabromobiphenyl	N.D.	5 mg/kg	
Hexabromobiphenyl	N.D.	5 mg/kg	
Heptabromobiphenyl	N.D.	5 mg/kg	
Octabromobiphenyl	N.D.	5 mg/kg	
Nonabromobiphenyl	N.D.	5 mg/kg	
Decabromobiphenyl	N.D.	5 mg/kg	
Tested Item(s)	Result	MDL	Limit
	023		
Polybrominated Diphenyl Ethers (PBDEs)			
Monobromodiphenyl ether	N.D.	5 mg/kg	1000 mg/kg
Dibromodiphenyl ether	N.D.	5 mg/kg	
Tribromodiphenyl ether	N.D.	5 mg/kg	
Tetrabromodiphenyl ether	N.D.	5 mg/kg	
Pentabromodiphenyl ether	N.D.	5 mg/kg	
Hexabromodiphenyl ether	N.D.	5 mg/kg	
Heptabromodiphenyl ether	N.D.	5 mg/kg	
Octabromodiphenyl ether	N.D.	5 mg/kg	
Nonabromodiphenyl ether	N.D.	5 mg/kg	
Decabromodiphenyl ether	N.D.	5 mg/kg	

Test Report

Report No. A2250014860101023

Page 4 of 7

Test Result(s)

Tested Item(s)	Result	MDL	Limit
	023		
Phthalates (DBP, BBP, DEHP, DIBP)			
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	50 mg/kg	1000 mg/kg
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	50 mg/kg	1000 mg/kg
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	50 mg/kg	1000 mg/kg
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	50 mg/kg	1000 mg/kg

Sample/Part Description

No.	CTI Sample ID	Description
1	023	Transparent liquid

Remark: The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.

-MDL = Method Detection Limit

-N.D. = Not Detected (<MDL)

-mg/kg = ppm = parts per million

-1000 mg/kg = 0.1%

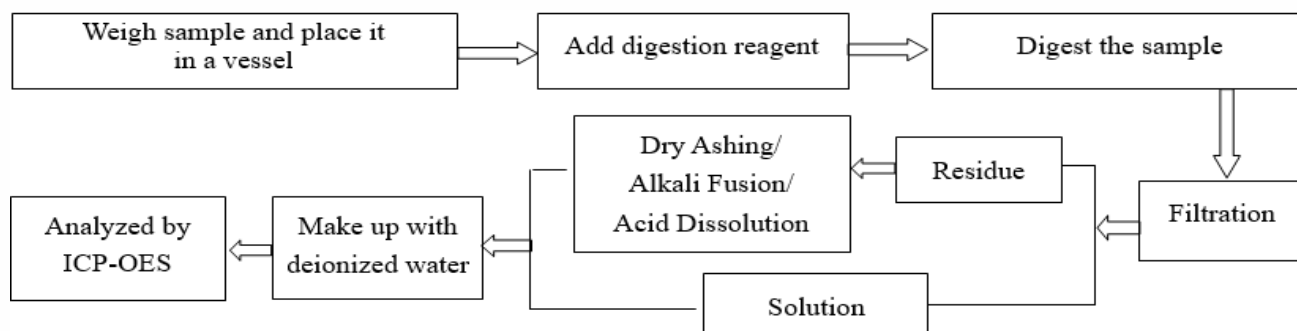
Test Report

Report No. A2250014860101023

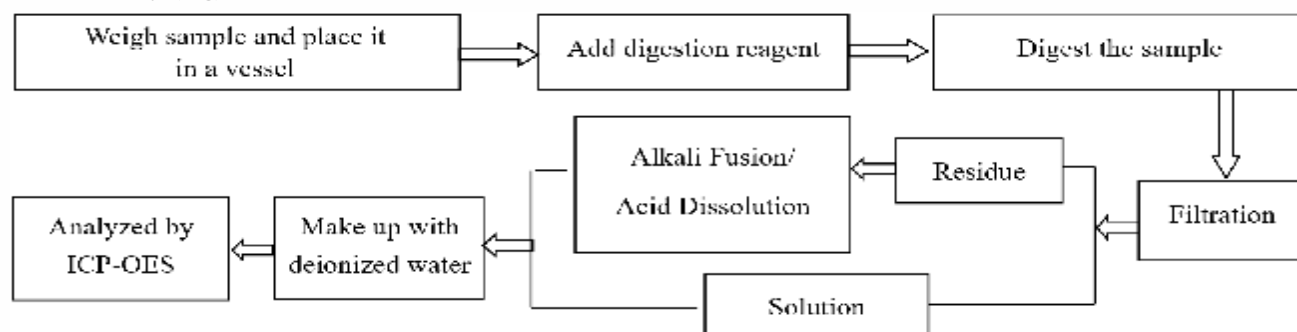
Page 5 of 7

Test Process

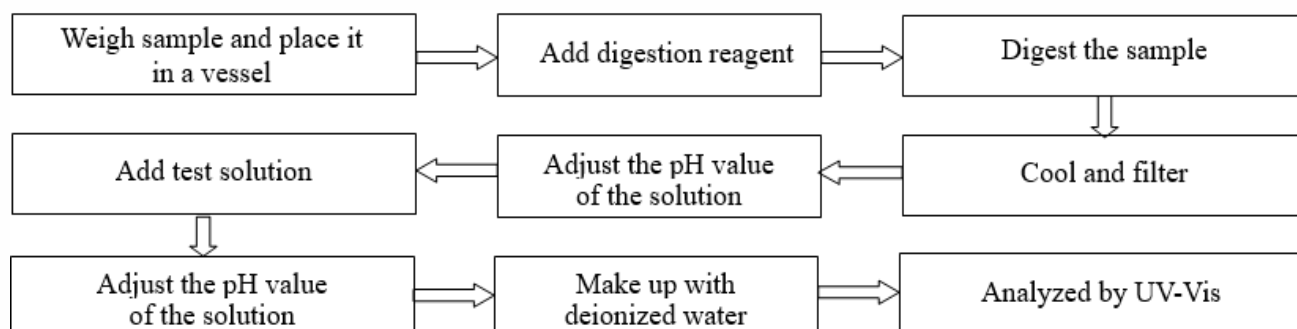
1. Lead (Pb), Cadmium (Cd), Chromium (Cr)



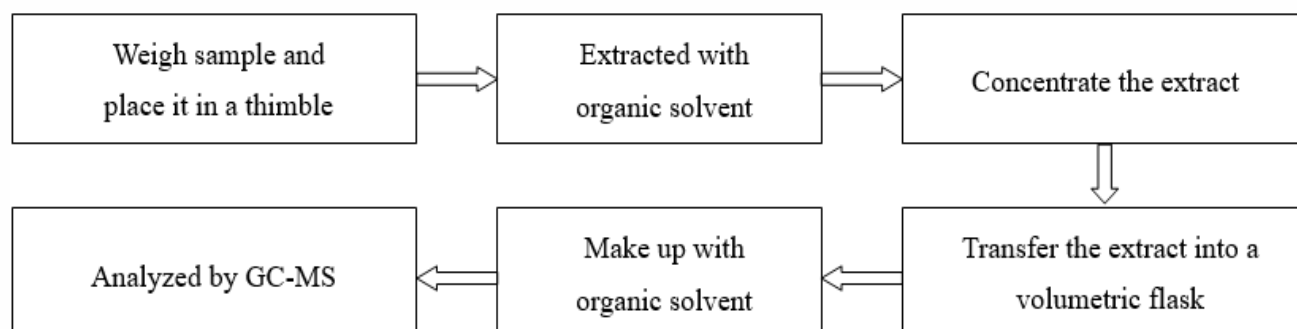
2. Mercury (Hg)



3. Hexavalent Chromium (Cr(VI))



4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)

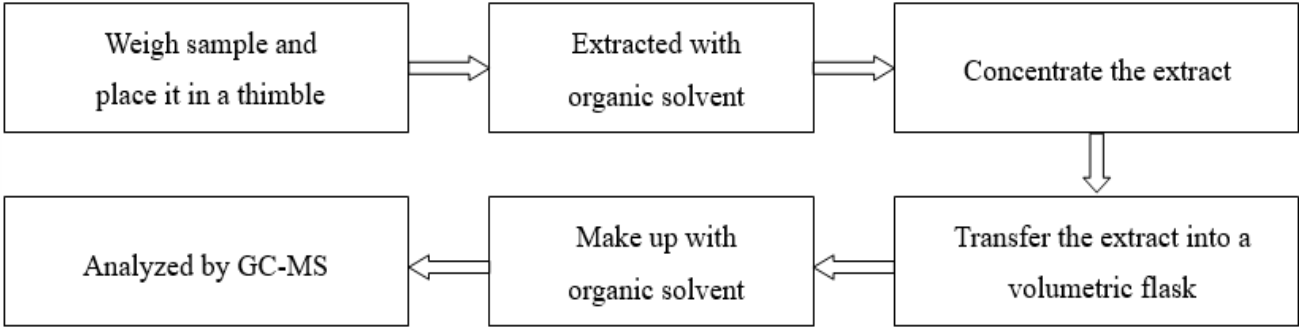


Test Report

Report No. A2250014860101023

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5. Phthalates (DBP, BBP, DEHP, DIBP)

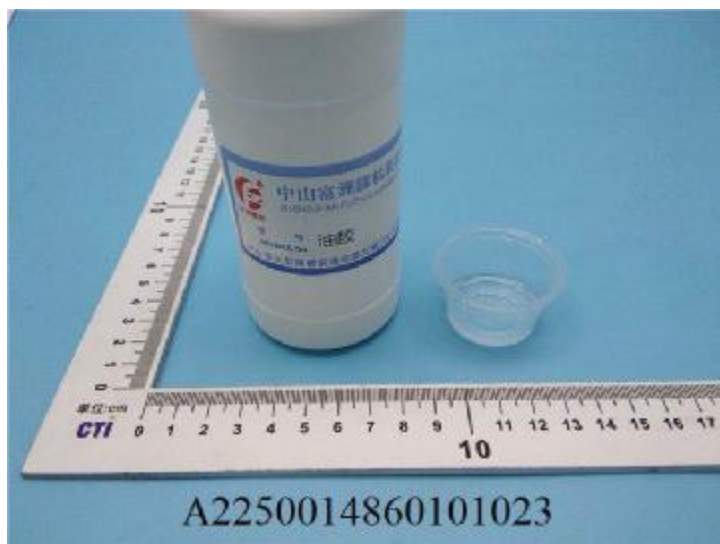


Test Report

Report No. A2250014860101023

Page 7 of 7

Photo(s) of the sample(s)



Statement:

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 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 / CNAS-GL015:2022;
5. Without written approval of CTI, this report can't be reproduced except in full;
6. In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

*** End of report ***

Appendix

Client Reference Information

10/11/12/13/14/15/16/17/18/105/106Y/1105/1106/1106/107/109/109Y/1035/1306/1040/1045/UL/1309/1109/
103/1405/1406/1420/1820/1907/1050/32/35/36/36A/38/55/56/58/Reifenkautschuk/102/Y13/Y136

Statement:

1. The Appendix Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.
2. The Appendix Information is/are the supplement(s) for the Report A2250014860101023.

Prüfbericht Nummer: SHAEC25002804202

Datum: 25.02.2025, Seite 1 von 9

Kundenname: Hanghua Ink Co., Ltd.

Kundenseite: Nr. 2, Straße Nr. 5 (Süd), Baiyang-Straße, Wirtschafts- und Technologieentwicklungszone Hangzhou

Name der Probe:

UV (BEST CURE) Mischfarbe

Referenzinformationen für Kunden:

UV 161, UV VP, UV HY-BD, UV SUP, UV YQ15-NT, UV YQ69-NT, UV

LHP, UV NEW HZ, UV HZ, UV L CARTON, UV LS, UV NH, UV NH (H), UV KFI, UV 171, UV CS, UV RNC, UV NVR, UV BF, UV PFP-NT, UV PANTONE, UV G-PACK, UV TPU01, UV SF, UV DT, UV KY, UV HF, UV NHF, UV NHF-LED, UV NT, UV CHP, UV BG, UV QYS-NT, UV KTP, UV DG, UV HC, UV NEW HF, UV HL, UV HJ, UVYL-NT, UV ASP, UV NT (XY), UV GCP, UV SJ, UV HN-DZ, UV WL, UV INCARD, UV SCREEN, UV K-HS, UV OFS, UV LED, UV 161-LED, UV LES, UV TS, YT UV INK, UV CHD, UV ZH, UV SOYA, UV VNL, UV HT, UV FLEXO, UV Yunnan Baiyao, LeCard, UV ART, LeCure, LED UV HK/90, UV GP, UV GP-LED, UV ART, UVH-PACK, UV IJ, UV LCLED, UV TK/KW/NO.7 Grundöl, UV HJK, UV Mat-/Matteöl, UV EMBOSS, UV NYD, UV ST, UV Ablösungsöl, UV Umkehrgrundöl/Öl, UV NO.1, 3, 5, 6 Silberfarbe, UV Blau-/Rotgoldfarbe, No.2 Viskositätsreduzierer, UV UP-2 Öl, UV Tinten Trocknungshilfe, UV Gleitmittel, UV Flachmacher, UV Verstärker, UV MPS, UV-Fluoreszenzserie, UV WEB, UV LC-LED WEB, U-Card, Montage, Montage WEB, Montage MelamineUV Biomasse, UV LC-LED RP, UV TP-LED, UV SWP, LED UV Tiger Color, UV DL-LED, UV HNLED, UV HK, UV Label, UV LG LED, UV LEDTEK, LeCure ST, UV UCard, UV TP-LED, UV TP-LED MP, UV HHC S, UV TK, UV P-STD, UV PL, UV DL, UV DL-LED, UV SWP, UV JC, UV TS, UV Label, UV HA, UV Galax, UV Galax (EU), UV OFS K-HS, LED UV PRO(EU), UV HCLED, UV VNL-LEC, UV HT-DL, UV HT-YQ15.

Die oben genannten Proben und Informationen wurden vom Kunden bereitgestellt.

SGS-Arbeitsnummer:

SHP25-003597

Zeitpunkt der Probenannahme:

17. Februar 2025

Überwachungszyklus:

Vom 17. Februar 2025 bis zum 24. Februar 2025

Tongbiao Standard Technical Service (Shanghai) Co., Ltd.

Autorisierungszeichen

Lilac Wei – Genehmiger und Unterschriftsperson

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Member of the SGS Group (SGS SA)

Prüfbericht

Nummer: SHAEC25002804202

Datum: 25.02.2025

Seite 2 von 9

Anforderungen an die Prüfung:

Prüfung gemäß Kundenanforderungen.

Testverfahren:

Siehe die folgende Seite.

Testergebnis:

Siehe die folgende Seite.

Zusammenfassung:

EU-Rohs-Verordnung 2011/65/EU – Anhang II, Änderungsverordnung (EU) 2015/863 – Blei, Quecksilber, Cadmium, Chrom(III), Polybromierte Biphenyle (PBB), Polybromierte Diphenylether (PBDE), Di(2-Ethylhexyl)phthalat (DEHP), Butylbiphenylphthalat (BBP), Di(2-Butyl)phthalat (DBP) und Diisobutylphthalat (DIBP)	Eignen sich
Verordnung der Europäischen Kommission 94/62/EG und ihre nachfolgenden Änderungsverordnungen – Gehalte an Gesamtblei, Cadmium, Quecksilber und Chrom(III)	Eignen sich
Hexabromcyclodecan (HBCDD)	Siehe Testergebnisse

Testergebnisse:

Beschreibung des Aussehens des zu überprüfenden Elements:

Probennummer	Probennummer	SGS-Proben-ID	Beschreibung der Probe
SN1	A1	SHA25-0028042-0001.C001	Schwarze Tinte

Hinweis:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Methodendetektionsgrenze
- (3) ND = Nicht nachweisbar (< MDL)
- (4) „-“ = Nicht festgelegt

EU-Rohs-Verordnung 2011/65/EU – Anhang II, Änderungsverordnung (EU) 2015/863 – Blei, Quecksilber, Cadmium, Chrom(III), Polybromierte Biphenyle (PBB), Polybromierte Diphenylether (PBDE), Di(2-Ethylhexyl)phthalat (DEHP), Butylbiphenylphthalat (BBP), Di(2-Butyl)phthalat (DBP) und Diisobutylphthalat (DIBP)

Detektionsverfahren: Gemäß IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017 und IEC 62321-12:2023; Analyse durch ICP-OES/AAS, UV-Vis sowie GC-MS.

Testobjekt	Grenzwert	Einheit	MDL	A1
Blei (Pb)	1000	mg/kg	2	ND
Merkur (Hg)	1000	mg/kg	2	ND
Kadmium (Cd)	100	mg/kg	2	ND
Chrom(VI)	1000	mg/kg	8	ND
Summe der Polybromierte Biphenyle (PBB)	1000	mg/kg	-	ND
Mono-Bisphenyl (MonoBB)	-	mg/kg	25	ND
Di-Bisphenyl (DiBB)	-	mg/kg	25	ND
TriBB	-	mg/kg	25	ND



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Testobjekt	Grenzwert	Einheit	MDL	A1
Tetra-BB	-	mg/kg	25	ND
PentaBB	-	mg/kg	25	ND
HexaBB	-	mg/kg	25	ND
HeptaBB	-	mg/kg	25	ND
OctaBB	-	mg/kg	25	ND
Nonabromobiphenyl (NonaBB)	-	mg/kg	25	ND
Deca-BB	-	mg/kg	25	ND
Summe der Polybromdiphenylether (PBDE)	1000	mg/kg	-	ND
MonoBDE	-	mg/kg	25	ND
DiBDE	-	mg/kg	25	ND
TriBDE	-	mg/kg	25	ND
TetraBDE	-	mg/kg	25	ND
PentaBDE	-	mg/kg	25	ND
HexaBDE	-	mg/kg	25	ND
HeptaBDE	-	mg/kg	25	ND
OctaBDE	-	mg/kg	25	ND
Nonabromdiphenylether (NonaBDE)	-	mg/kg	25	ND
DecaBDE	-	mg/kg	25	ND
Di(2-Ethylhexyl)phthalat (DEHP)	1000	mg/kg	50	ND
Butylbenzylphthalat (BBP)	1000	mg/kg	50	ND
Di-Butylphthalat (DBP)	1000	mg/kg	50	ND
Diisobutylphthalat (DIBP)	1000	mg/kg	50	ND

Hinweis:

- (1) Die maximale zulässige Grenzwertangabe stammt aus der RoHS-Richtlinie (EU) 2015/863.
- (2) Die IEC 62321-Serie ist gleichwertig zur EN 62321-Serie.
- (3) Ab dem 22. Juli 2021 gelten die Grenzwerte für DEHP, BBP, DBP und DIBP für medizinische Geräte, einschließlich von In-vitro-Geräten, sowie für Überwachungsgeräte, darunter industrielle Mess- und Steuerungssysteme.

Verordnung der Europäischen Kommission 94/62/EG und ihre nachfolgenden Änderungsverordnungen – Gehalte an Gesamtblei, Cadmium, Quecksilber und Chrom(III)

Detektiionsverfahren: Gemäß IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013 und IEC 62321-7-2:2017; Analyse mittels ICPOES und UV-Vis.

Testobjekt	Grenzwert	Einheit	MDL	A1
Kadmium (Cd)	-	mg/kg	5	ND
Blei (Pb)	-	mg/kg	5	ND
Merkur (Hg)	-	mg/kg	5	ND
Chrom(VI)	-	mg/kg	8	ND
Gesamtmenge (Cd + Pb + Hg + Cr VI)	100	mg/kg	-	ND
Fazit				Eignen sich

Hexabromcyclodecan (HBCDD)



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Prüfbericht

Nummer: SHAEC25002804202

Datum: 25.02.2025

Seite 4 von 9

Testverfahren: Gemäß IEC 62321-9:2021, Analyse mittels GC-MS

Testobjekt	CAS No.	Einheit	MDL	A1
Hexabromcyclodecan (HBCDD)	134237-50-6 /134237-51-7 /134237-52-8 /25637-99-4 /3194-55-6	mg/kg	20	ND

Das Probenstück wurde nach einer 18-stündigen Trocknung in einem Trockner analysiert.

Sofern nicht anders angegeben, erfolgt die Konformitätsprüfung gemäß ILAC-G8:09/2019 unter Verwendung einer einfachen Binärregelung ($W=0$). Sofern nicht anders angegeben, ist dieser Bericht ausschließlich für die getesteten Proben verantwortlich. Der Bericht darf ohne schriftliche Genehmigung des Unternehmens nicht teilweise kopiert werden.



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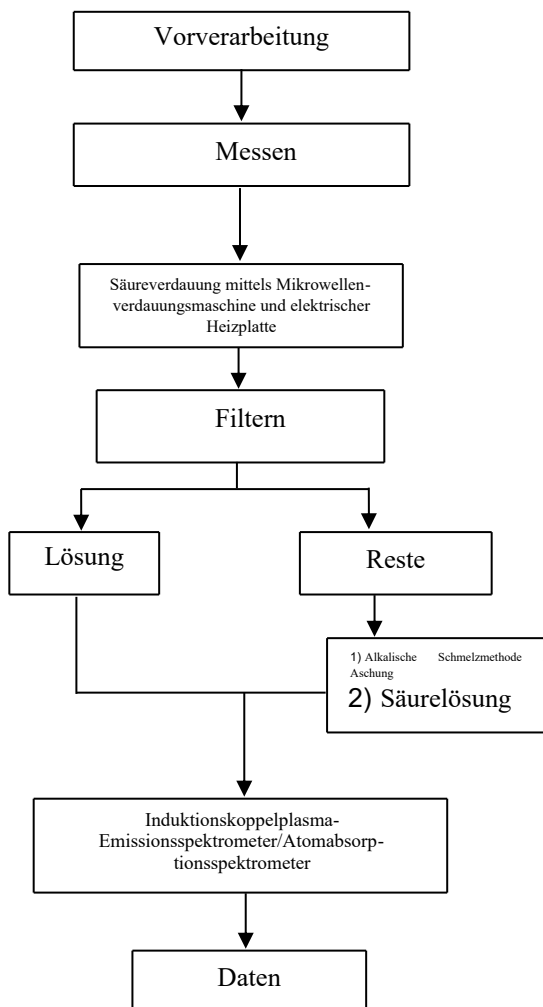
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Chemical Laboratory

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Element-Detektions-Flussdiagramm

Die Proben wurden vollständig nach dem folgenden Verfahren abgebaut.



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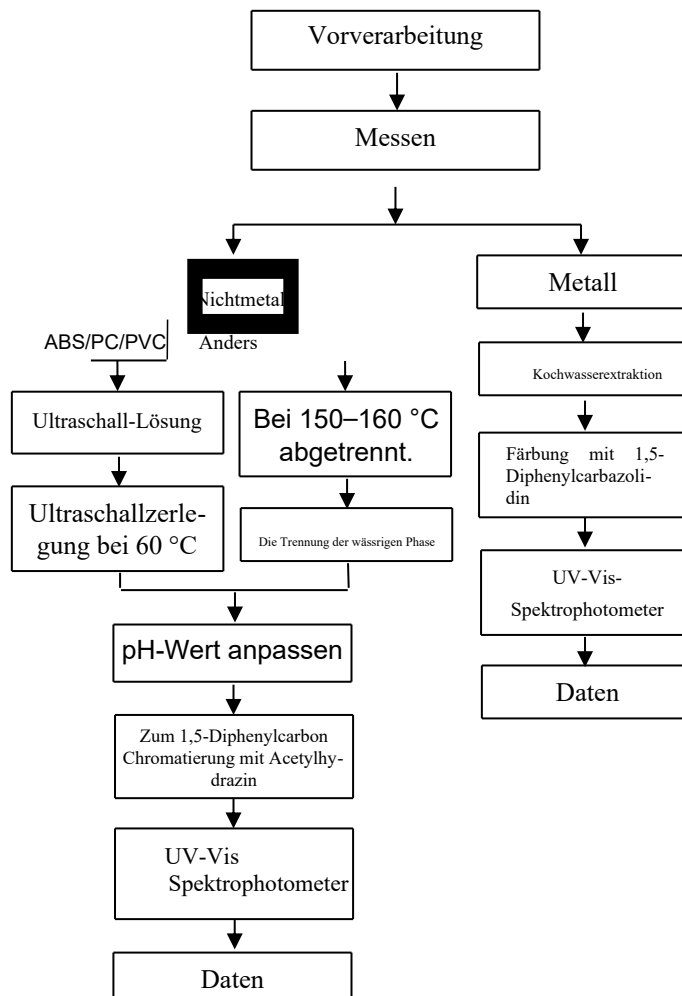
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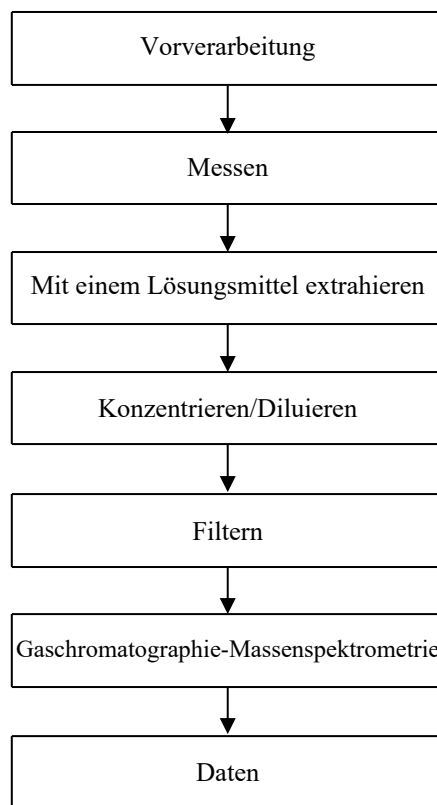
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Flussdiagramm zur Bestimmung von Chrom(III)



PBB/PBDE/Phthalate-Detektionsflussdiagramm



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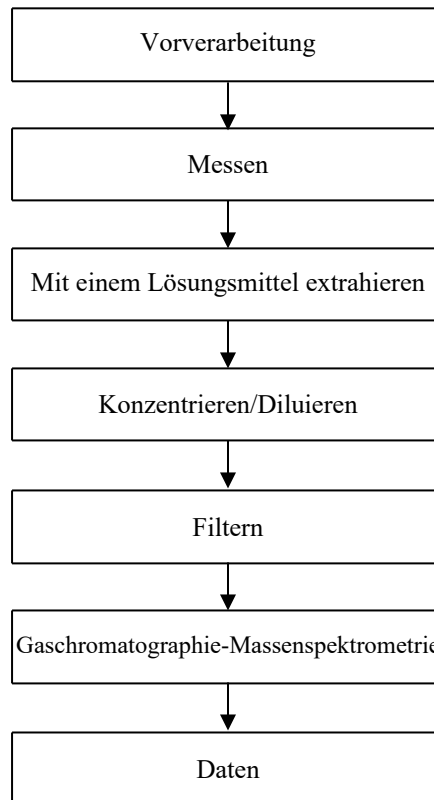
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HBCDD-Detektionsflussdiagramm



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Prüfbericht

Nummer: SHAEC25002804202

Datum: 25.02.2025

Seite 9 von insgesamt 9

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Test Report



Report No. A2250014860101019

Page 1 of 7

Company Name ZHONGSHAN FUZHOU ADHESIVE-PRODUCT CO.,LTD

shown on Report

Address NO.32, YIXIAN ROAD, TORCH HIGH TECHNOLOGY DEVELOPMENT ZONE,
ZHONGSHAN CITY, GUANGDONG, P.R. CHINA

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

Sample Name PP-Folie
Sample Received Date Jan. 8, 2025
Testing Period Jan. 8, 2025 to Jan. 15, 2025

Test Requested As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP) in the submitted sample(s).

Test Method Please refer to the following page(s).

Test Result(s) Please refer to the following page(s).

Conclusion



Tested Sample	According to standard/directive	Result
Submitted Sample	RoHS Directive 2011/65/EU with amendment (EU) 2015/863	PASS

PASS means that the results shown on the report comply with the limits set by RoHS Directive 2011/65/EU with amendment (EU) 2015/863.



Approved by

Wenjun Wang

Date

Jan. 15, 2025

Wenjun Wang Lab Authorized Signatory

No. R200821276

Centre Testing International Group Co.,Ltd. Shunde Branch

Yongying Building, Section 2, No.8, East of Rongqi Avenue, Ronggui, Shunde District, Foshan, Guangdong, China

Test Report

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Test Method

Test Item(s)	Test Method	Measured Equipment(s)
Lead (Pb)	IEC 62321-5:2013	ICP-OES
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
Hexavalent Chromium (Cr(VI))	IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013	UV-Vis/ICP-OES
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS
Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS

Test Report

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Test Result(s)

Tested Item(s)	Result	MDL	Limit
	019		
Lead (Pb)	N.D.	2 mg/kg	1000 mg/kg
Cadmium (Cd)	N.D.	2 mg/kg	100 mg/kg
Mercury (Hg)	N.D.	2 mg/kg	1000 mg/kg
Hexavalent Chromium (Cr(VI))	N.D.	8 mg/kg	1000 mg/kg
Tested Item(s)	Result	MDL	Limit
	019		
Polybrominated Biphenyls (PBBs)			
Monobromobiphenyl	N.D.	5 mg/kg	1000 mg/kg
Dibromobiphenyl	N.D.	5 mg/kg	
Tribromobiphenyl	N.D.	5 mg/kg	
Tetrabromobiphenyl	N.D.	5 mg/kg	
Pentabromobiphenyl	N.D.	5 mg/kg	
Hexabromobiphenyl	N.D.	5 mg/kg	
Heptabromobiphenyl	N.D.	5 mg/kg	
Octabromobiphenyl	N.D.	5 mg/kg	
Nonabromobiphenyl	N.D.	5 mg/kg	
Decabromobiphenyl	N.D.	5 mg/kg	
Tested Item(s)	Result	MDL	Limit
	019		
Polybrominated Diphenyl Ethers (PBDEs)			
Monobromodiphenyl ether	N.D.	5 mg/kg	1000 mg/kg
Dibromodiphenyl ether	N.D.	5 mg/kg	
Tribromodiphenyl ether	N.D.	5 mg/kg	
Tetrabromodiphenyl ether	N.D.	5 mg/kg	
Pentabromodiphenyl ether	N.D.	5 mg/kg	
Hexabromodiphenyl ether	N.D.	5 mg/kg	
Heptabromodiphenyl ether	N.D.	5 mg/kg	
Octabromodiphenyl ether	N.D.	5 mg/kg	
Nonabromodiphenyl ether	N.D.	5 mg/kg	
Decabromodiphenyl ether	N.D.	5 mg/kg	

Test Report

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Test Result(s)

Tested Item(s)	Result	MDL	Limit
	019		
Phthalates (DBP, BBP, DEHP, DIBP)			
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	50 mg/kg	1000 mg/kg
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	50 mg/kg	1000 mg/kg
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	50 mg/kg	1000 mg/kg
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	50 mg/kg	1000 mg/kg

Sample/Part Description

No.	CTI Sample ID	Description
1	019	Transparent plastic film

Remark: The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.

-MDL = Method Detection Limit

-N.D. = Not Detected (<MDL)

-mg/kg = ppm = parts per million

-1000 mg/kg = 0.1%

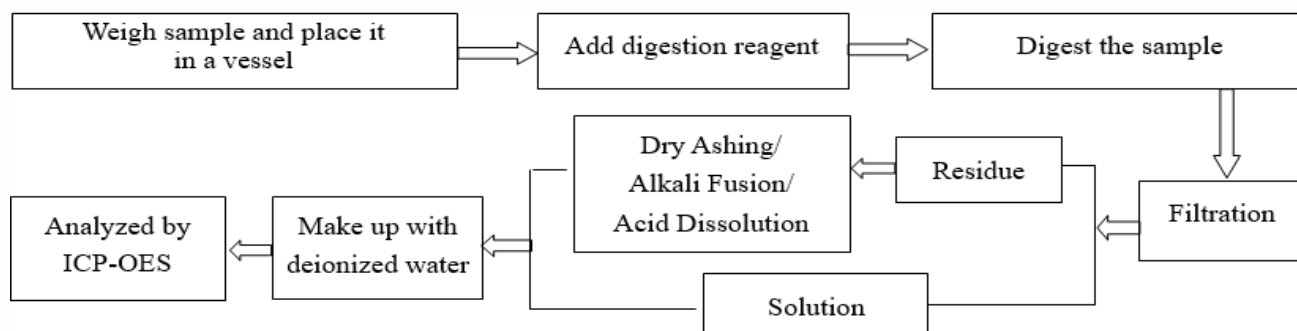
Test Report

Report No. A2250014860101019

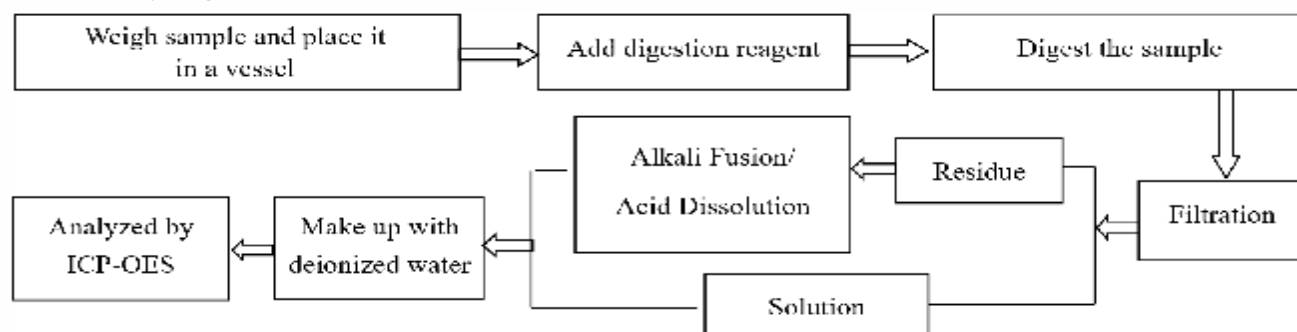
Page 5 of 7

Test Process

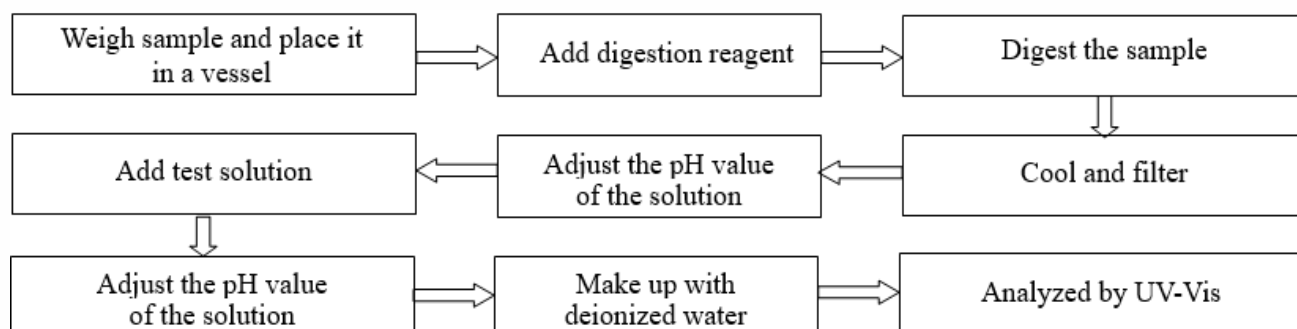
1. Lead (Pb), Cadmium (Cd), Chromium (Cr)



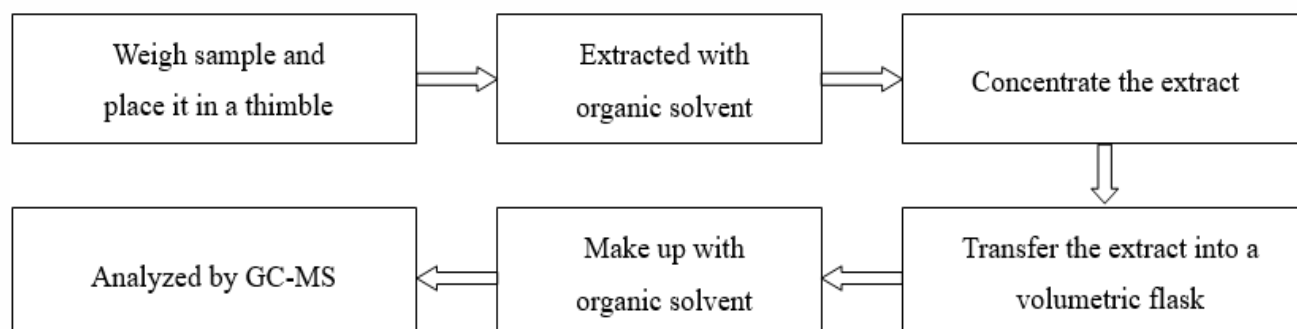
2. Mercury (Hg)



3. Hexavalent Chromium (Cr(VI))



4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)

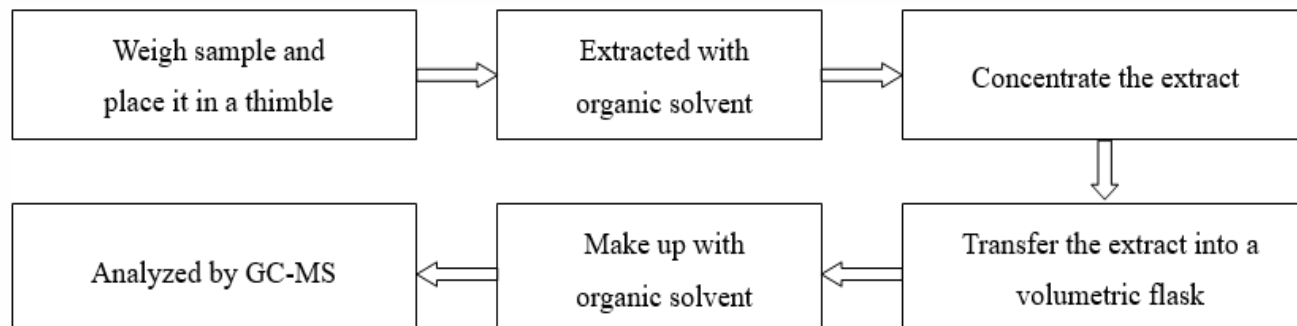


Test Report

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5. Phthalates (DBP, BBP, DEHP, DIBP)

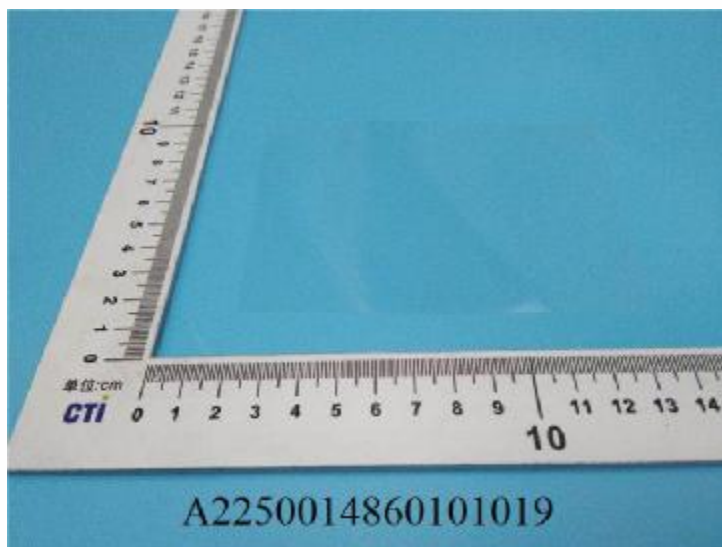


Test Report

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Photo(s) of the sample(s)



Statement:

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2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 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 / CNAS-GL015:2022;
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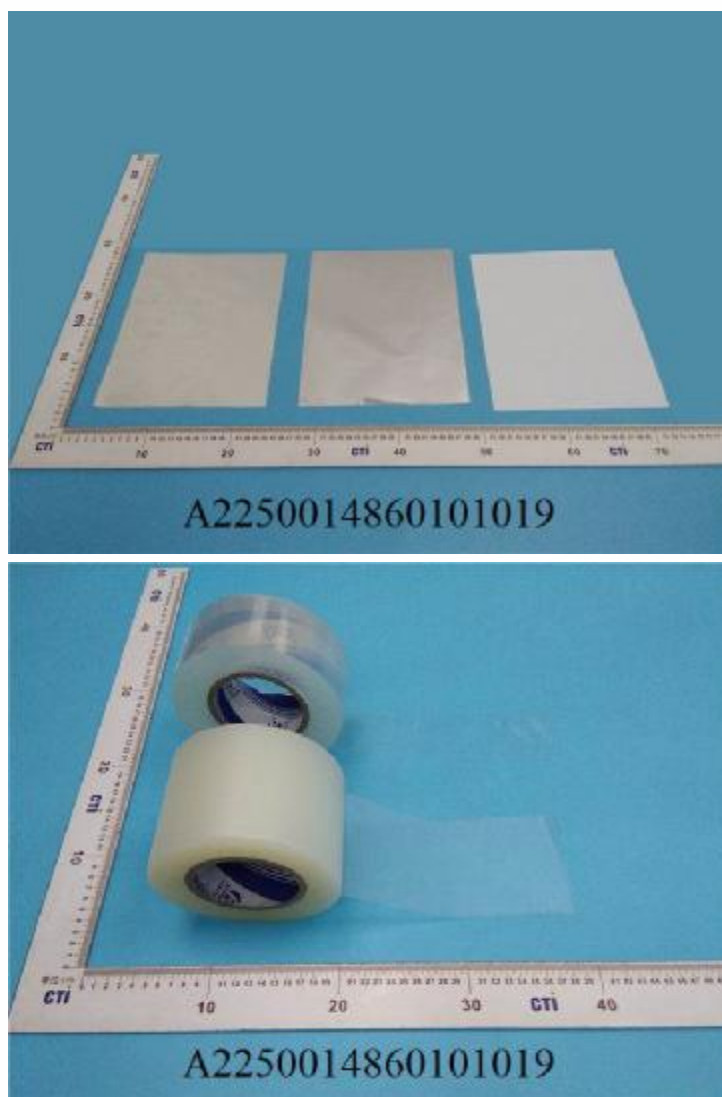
*** End of report ***

Appendix

Client Reference Information

OPAT/ OPAM/ 19#PP/ 25#PP/ 27#PP/ 30#PP/ PP-25#/ PP-30#/ PP-50#/ PP-60#/ PP-70#/ PP-Z/ PP-Z 25#/ PP-Z 38#/ PP-Z68#/ / PP-Z70#/ PP-Z75#/ PP-Z90#/ PP-Z 38#(1#)/ PP-Z(TC)/ PP70/ PP90/ PP-S 50#/ PP-S 60#/ PP-S 70#/ PP-T 38#/ PP-T 25#/ PP10/ PP-T50#/ PP-W/ PP-Y 100#/ PM81/ PP25/ PP30/ PP40/ PP50/ PP51/ PP55/ PP60/ PP66/ PP70/ PP90/ PS50/ PS51/ PS52/ PS60/ PS70/ PS90/ PS95/ PP/ JG34/ PZ32/ PZ38/ PZ50/ PZ60/ PZ65/ PZ68/ PZ70/ PZ80/ PZ81/ PZ90/ PZF/ PP38/ 25#PP/ 30#PP/ DP63/ DP66/ PG-G/ PM36/ PMM/ PS95/ PW60/ PS70/ OPAM/ OPAM-W/ OPAM-W26/ OPAM-W28/ OPAT/ OPAT(06)/ OPAT(08)/ OPAT(10)/ / OPAT-W

Client Reference Photo (Non-tested sample)



Statement:

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2. The Appendix Information is/are the supplement(s) for the Report A2250014860101019.