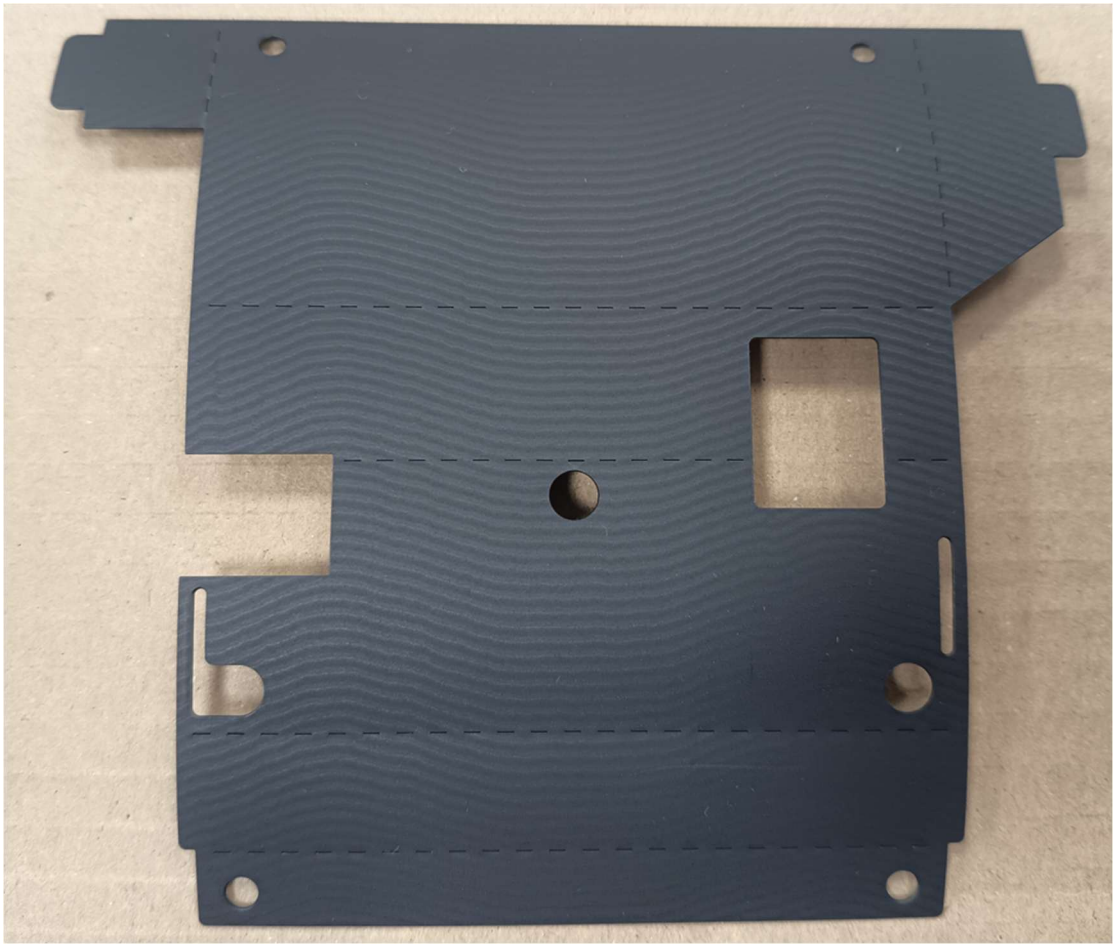


設計驗證
工程課
2026 -01- 19
發行

昱慶誠工藝有限公司

NO.

YU-CHING CHEN CO . , LTD.

承認書

客 戶　鈺緯科技開發股份有限公司

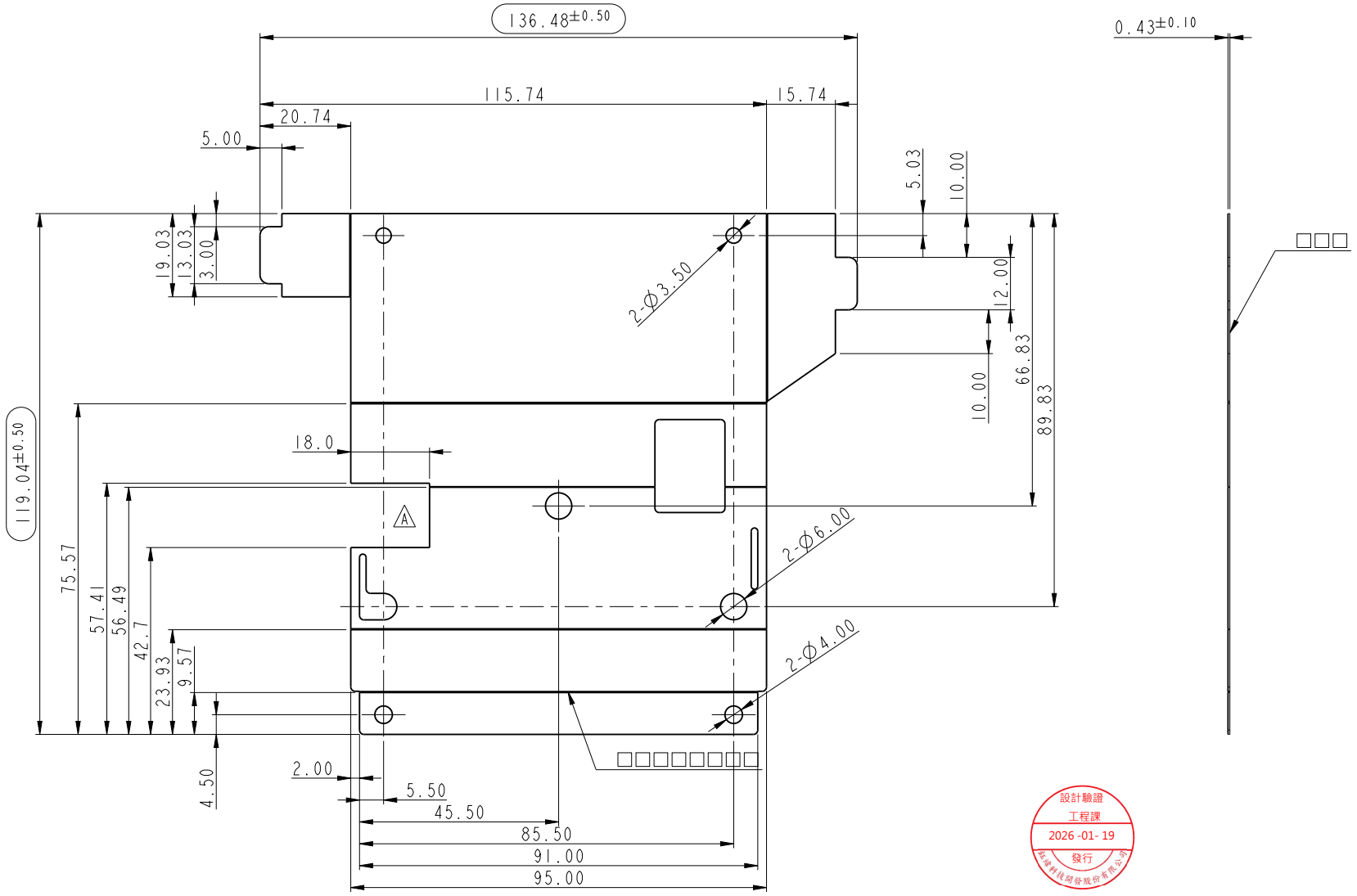
料 號　3MD043FM01A (M2170)

品 名　INSULATOR　(USB HUB)

製　作	客 戶 確 認
	

新北市中和區莒光路 211 號-19
TEL:886-2-82216296~7　FAX:886-2-82216298
E-mail：nameplat@ms53.hinet.net

REV.	DATE	DESCRIPTION	BY	APPD
0	2014-03-18	RELEASE FOR PRODUCTION	Laslie	Watt
A	2025-04-14	ADD CUT FEATURE	Laslie	Ferris



設計驗證
工程課
2026-01-19
發行

NOTE:
1.Material: PP, FORMEX GK-17.
2.Tolerance of dimension are ±0.5.
3.IQC Inspection Document: QWI-016.

THIRD ANGLE PROJECTION		UNITS:mm	SCALE: 1/1	SHEET: 1 OF 1	MODEL NO.:TSD-PT241W-AHN
		MATERIAL:		TREATMENT:	
DSGD by	Laslie	2014/3/18	PART NAME:	INSULATOR(USB HUB)	
APPD by	Watt	2014/3/19	PART NO.:	3MD043FM01A	VER. 0
APPD No.: M2170		FILE NAME: 3MD043FM010	DIVA Laboratories ,Ltd.		

昱慶誠工藝有限公司

產品檢驗報告

客戶：鈺緯科技開發股份有限公司	料號：3MD043FM01A (M2170)	號碼：78-1095	日期：115.01.14

	重點尺寸			全尺寸				
編號	長度：136.48±0.5mm	寬度：119.04±0.5mm	厚度：0.43±0.1mm	長度：136.48±0.5mm	寬度：119.04±0.5mm	厚度：0.43±0.1mm	外觀	污損
NO：1	136.48	119.04	0.43	280.50	10.00	0.40	OK	OK
NO：2	136.48	119.04	0.43	280.50	10.00	0.40	OK	OK
NO：3	136.50	119.04	0.43	280.60	10.00	0.40	OK	OK
NO：4	136.48	119.05	0.43				OK	OK
NO：5	136.50	119.04	0.43				OK	OK
NO：6								
NO：7								
NO：8								
NO：9								
NO：10								
備註	量測儀器：游標卡尺							

Test Report

No.: CKGEC25001693201 **Date:** Dec 18, 2025

Client Name: SICHUAN LONGHUA FILM CO.,LTD.

Client Address: FEIYUN ROAD 363 MIANYANG SICHUAN PROVINCE, P. R. CHINA

Sample Name: LonghuaPP-BK18/20BK/20BLK

Lot No.: ZD20251112D-3A20

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

SGS Job No.: TIC1020251215131834VTDJ

Sample Receiving Date: Dec 15, 2025

Testing Period: Dec 15, 2025 ~ Dec 18, 2025

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
Hexabromocyclododecane (HBCDD)	See Results

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

Mary Zou

Mary Zou
Approved Signatory

Scan to see the report

34BF7E56

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Test Result(s):

Test Part Description：

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	CKG25-0016932-0001.C001	Black plastic sheet

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	23
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
Bis(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Butyl benzyl 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.

Hexabromocyclododecane (HBCDD)

Test Method: With reference to IEC 62321-9:2021, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Hexabromocyclododecane (HBCDD)	134237-50-6 /134237-51-7 /134237-52-8 /25637-99-4 /3194-55-6	mg/kg	20	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.

检验检测专用章 Inspection & Testing Services
SGS-CSTC Standards Technical Services (Chongqing) Co., Ltd. Chemical Laboratory

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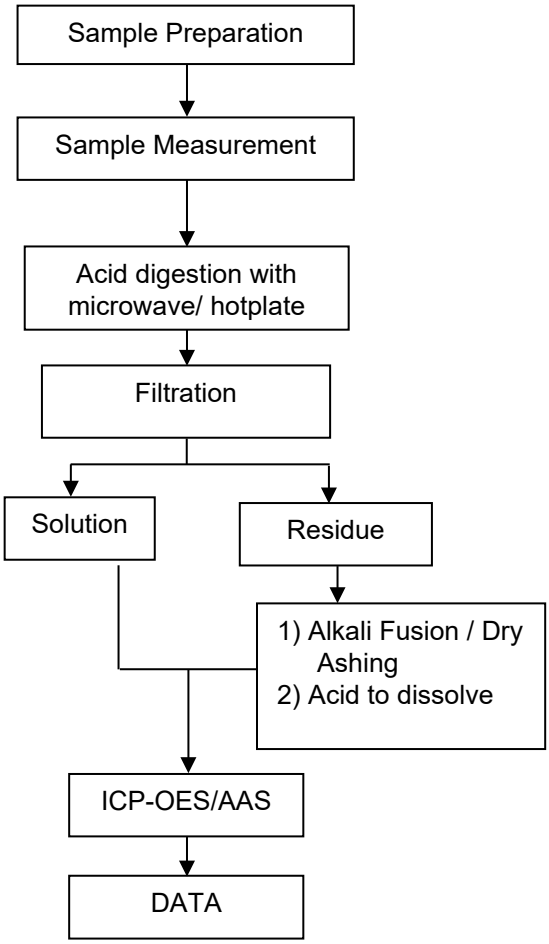
Elements Testing Flow Chart

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



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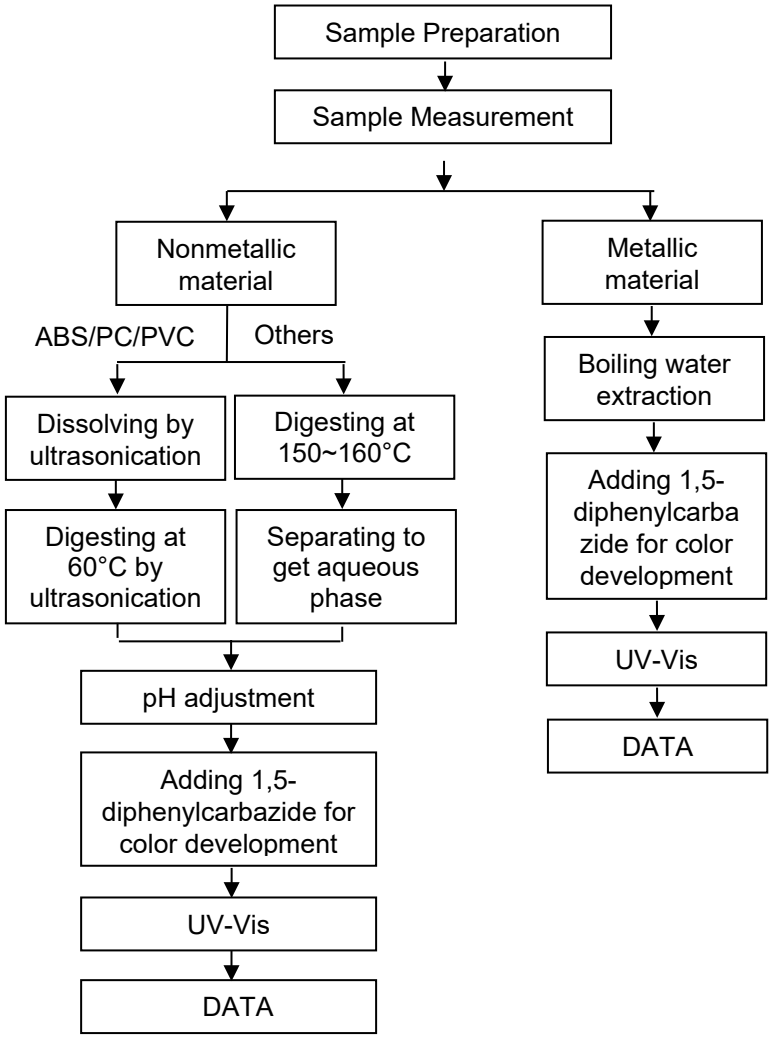
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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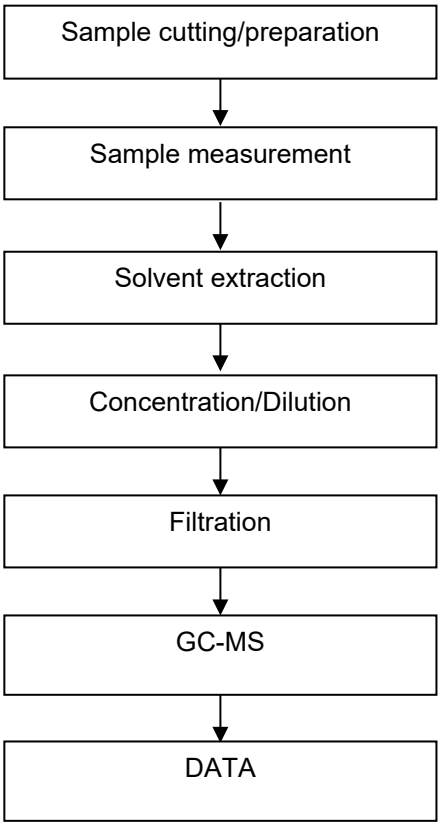
PBB(s)/PBDE(s)/Phthalates Testing Flow Chart



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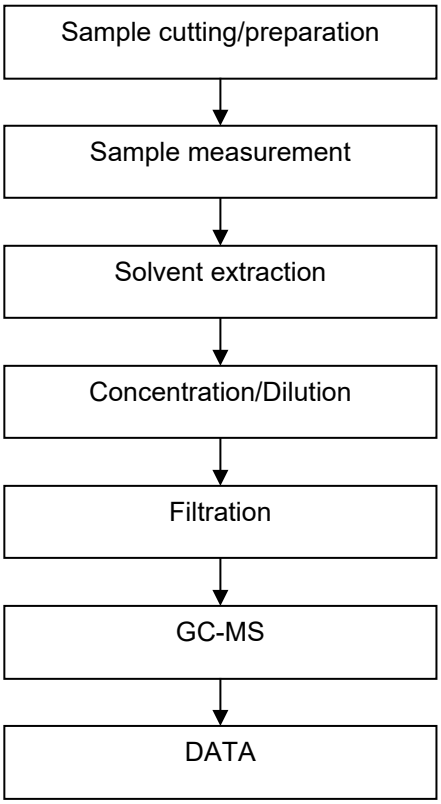
HBCDD Testing Flow Chart



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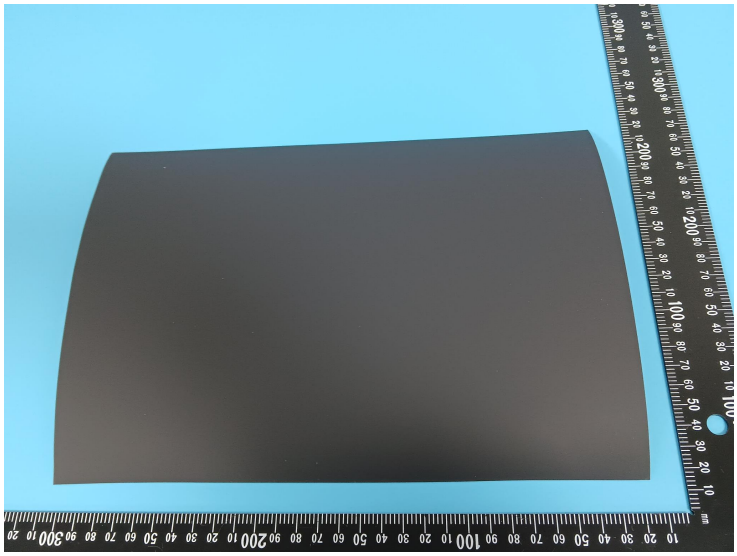
Sample Photo:



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SGS authenticate the photo on original report only

*** End of Report ***

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