

設計驗證
工程課
2024 -12- 03
發行
鈺緯科技開發股份有限公司

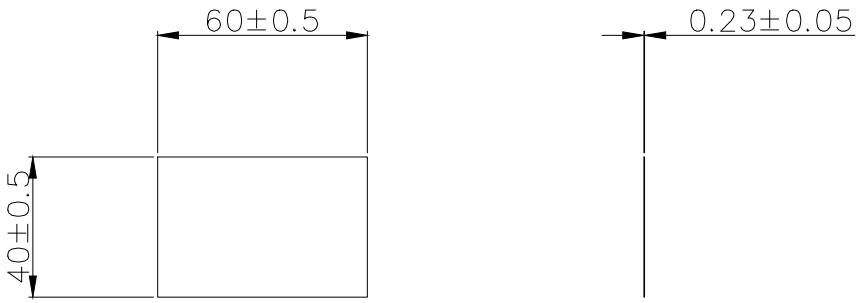
兆聯精密有限公司
Zhaolian PRECISION CO.,LTD

SPECIFICATION FOR APPROVAL

產品名稱 Part Name	Absorb material
產品編號 Part No	ZL-GC-000009
材質 Material	EFW(02)-240X240T0800 0.23T
尺寸 Size	40*60*0.23T
客戶名稱 Customer	鈺緯科技開發股份有限公司
客戶產品編號 Customer Part No	3H190002203 (H0221)
客戶料號名稱 Customer Part Name	ABSORBER (EFW(02)-40*60*0.03mm,KEMET)
承認日期 Date	2024.12.02

設計驗證
工程課
2024 -12- 03
發行
鈺緯科技開發股份有限公司

APPROVAL BY



材質：EFW(02)-240X240T0800 0.23T

方向性： 離型紙在下，全斷出貨

設計驗證
工程課
2024-12-03
發行
廷鏵科技開發股份有限公司

3H190002203 (H0221)

COUNT	REVISION	DATE	SIGN.
A	新規發行.	2023.09.23	Cheng

TOL / RANGE	N1	N2	√ M1	M2	S1	S2	CN	√ 0	√ ANG.
0~6	0.20	0.25	0.15	0.20	0.05	0.10	0.50	0.05	0.5
6~30	0.20	0.25	0.15	0.25	0.10	0.15	1.00		
30~120	0.25	0.35	0.20	0.30	0.20	0.40	2.00		
120~300	0.30	0.35	0.25	0.40	0.40	0.80	3.00		
300~600	0.40	0.50	0.30	0.50	0.50	1.00	3.00		
600~1200	0.50	0.60	0.50	0.60	0.60	1.20	4.00		

APPR BY	SIZE: A4	PART NO. ZL-GC-000009	兆聯精密有限公司 Zhaolian PRECISION CO.,LTD
CHK BY	ANGLE:	USE FOR:	
DWN BY	UNIT: MILLIMETERS	DWG.NO. / SCALE: 1:1	TITLE: Absorb

兆聯精密有限公司

First Article Inspection Report

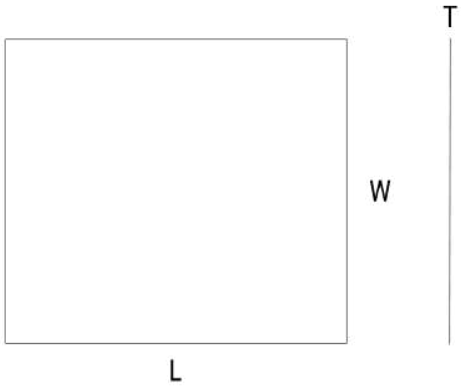
Part Number:	3H190002203(H0221)	Customer:	鈺緯科技開發股份有限公司	Submission Date:	2024/12/2
Part Description:	ABSORBER (EFW(02)-40*60*0.03mm,KEMET)	Submission No :	3 PCS	Cavity / Tool # :	
Part Revision:		Material Spec :		Inspector:	

DRAWING SPECIFICATIONS					INSPECTION RESULTS							INSPECTION ANALYSIS				Inspection Method	Supplier Remarks
ITEM	LOCATION	NOMINAL	+TOL	-TOL	Sample Number			Deviation from Nominal			Mean	% Tolerance		Acc/Rej			
					1	2	3	1	2	3		UPPER	LOWER	HIGH	LOW		
1		40	0.50	0.50	40.21	40.20	40.22	**0.210**	**0.200**	**0.220**	***40.21***	**44%**	**0%**				
2		60	0.50	0.50	60.20	60.19	60.20	**0.200**	**0.190**	**0.200**	***60.20***	**40%**	**0%**				
3		0.23	0.05	0.05	0.25	0.24	0.25	**0.020**	**0.010**	**0.020**	***0.25***	**40%**	**0%**				

EFW(02)-240X240T0800

Aliases (UFSEFW020AT080)

KEMET, EFW, Flex Suppressors, Noise Suppression



Click here for the 3D model.

Dimensions	
Sheet Size	240x240mm
L	240mm NOM
W	240mm NOM
T	0.2mm NOM

Packaging Specifications	
Tape Thickness	0.03mm
Component Weight	52.31 g

General Information	
Series	EFW
Style	Sheet
Description	Flex Suppressor High Permeability Type
Features	High Permeability Type
RoHS	Yes
Qualifications	UL94 HB, UL File No. E176124
Environment	RoHS Compliant, Halogen Free, PVC Free, Lead Free, Red Phosphorus Free

Specifications	
Temperature Range	-40/+105°C
Permeability	230 u at 3 MHz
Effective Frequency	1 MHz to 3GHz
Specific Gravity	4 TYP
Thermal Conductivity	1.27 typical
Surface Resistivity	1 MOhm/sq. TYP

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

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Test Report

No.: XMNEC24000874306 **Date:** May 31, 2024

Client Name: TOKIN CORPORATION

Client Address: 1-1,ASAHI-CHO 7-CHOME, SHIROISHI, MIYAGI 989-0223, JAPAN

Sample Name: EFW

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

SGS Job No.: XMP24-001699

Sample Receiving Date: May 22, 2024

Testing Period: May 22, 2024 ~ May 31, 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
Elementary Analysis and Flame Retardants	See Results
Halogen	See Results
Element(s)	See Results
Sulfur	See Results
Phthalates	See Results

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

Rae Chen
Approved Signatory

scan to see the report

0B057068

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Test Result(s):

Test Part Description：

SN ID	Sample No.	SGS Sample ID	Description
SN1	A6	XMN24-0008743-0001.C006	Silver-grey sheet

Remarks:

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

Elementary Analysis and Flame Retardants

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017 and IEC 62321-6:2015, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A6
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
Polybromobiphenyl (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	5	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	5	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	5	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	5	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	5	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	5	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	5	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	5	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	5	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	5	ND
Polybromodiphenyl ether(PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	5	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	5	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	5	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	5	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	5	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	5	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	5	ND
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	5	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	5	ND

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Test Item(s)	Limit	Unit(s)	MDL	A6
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	5	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	A6
Fluorine(F)	mg/kg	20	ND
Chlorine(Cl)	mg/kg	50	ND
Bromine(Br)	mg/kg	50	ND
Iodine(I)	mg/kg	50	ND

Element(s)

Test Method: With reference to US EPA 3052:1996, analysis was performed by ICP-OES/AAS.

Test Item(s)	Unit(s)	MDL	A6
Beryllium(Be)	mg/kg	5	ND
Phosphorus(P)	mg/kg	20	76
Antimony(Sb)	mg/kg	10	ND

Notes:
(1) The test was subcontracted to SGS Guangzhou chemical lab.

Sulfur

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

Test Item(s)	Unit(s)	MDL	A6
Sulfur (S)	mg/kg	50	ND

Notes:
(1) The test was subcontracted to SGS Guangzhou chemical lab.

Phthalates

Test Method: With reference to IEC 62321-8:2017, analysis was performed by GC-MS.

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Test Item(s)	CAS No.	Unit(s)	MDL	A6
Dibutyl Phthalate(DBP)	84-74-2	mg/kg	50	ND
Bis-(2-ethylhexyl) Phthalate(DEHP)	117-81-7	mg/kg	50	ND
Benzyl Butyl Phthalate(BBP)	85-68-7	mg/kg	50	ND
Diisononyl Phthalate (DINP)	28553-12-0 /68515-48-0	mg/kg	50	ND
Di-n-Octyl Phthalate(DNOP)	117-84-0	mg/kg	50	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 /68515-49-1	mg/kg	50	ND
Diisobutyl Phthalate(DIBP)	84-69-5	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.

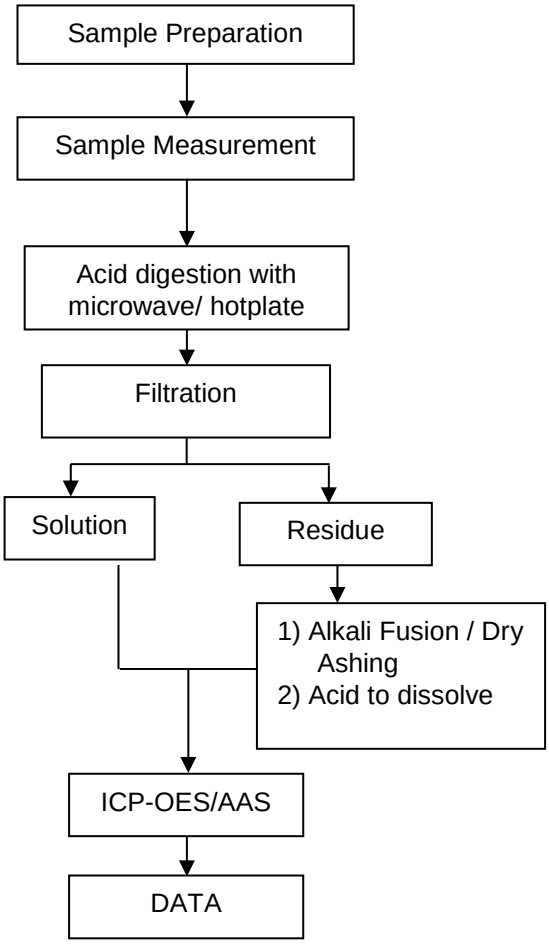
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Elements Testing Flow Chart

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

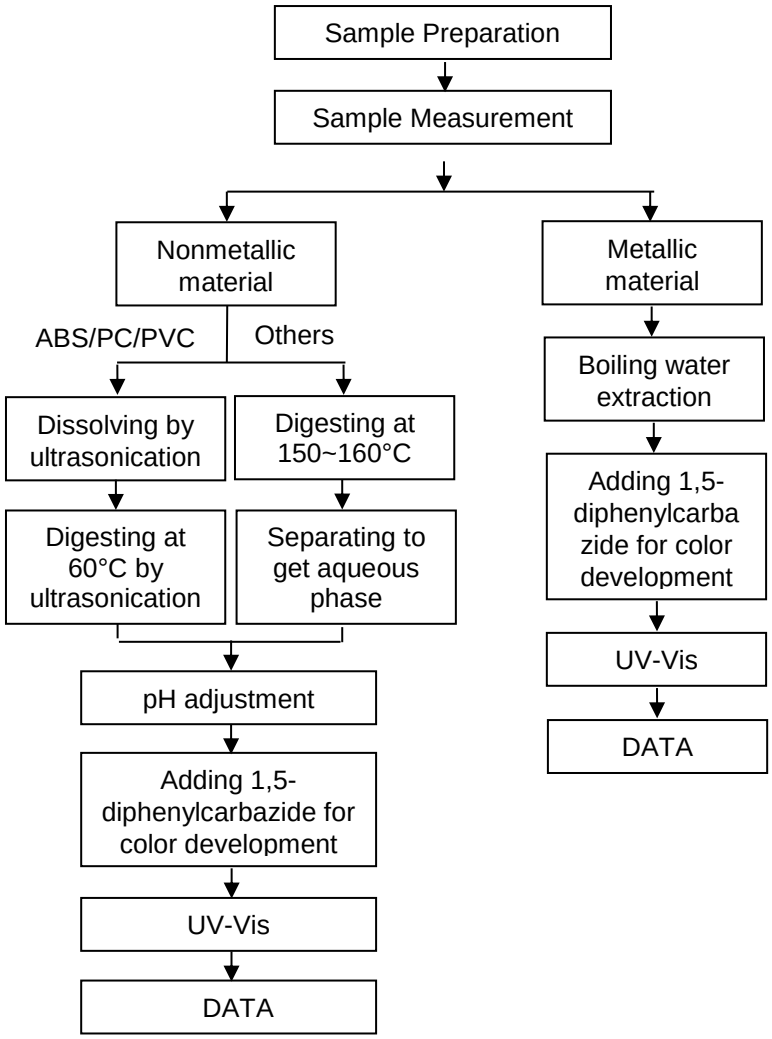


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Hexavalent Chromium (Cr(VI)) Testing Flow Chart

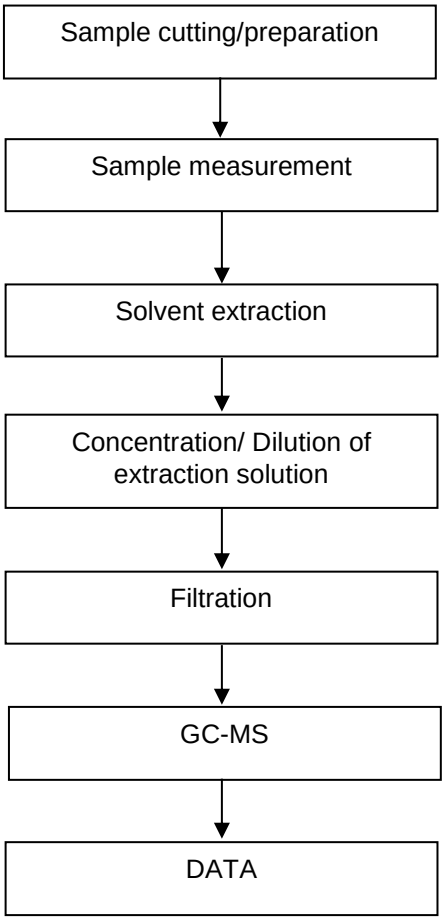


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PBB/PBDE Testing Flow Chart

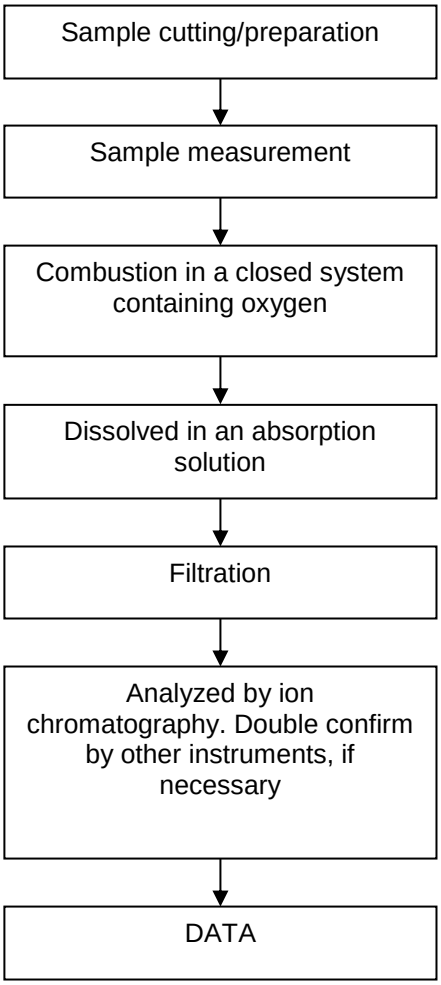


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Halogen Testing Flow Chart



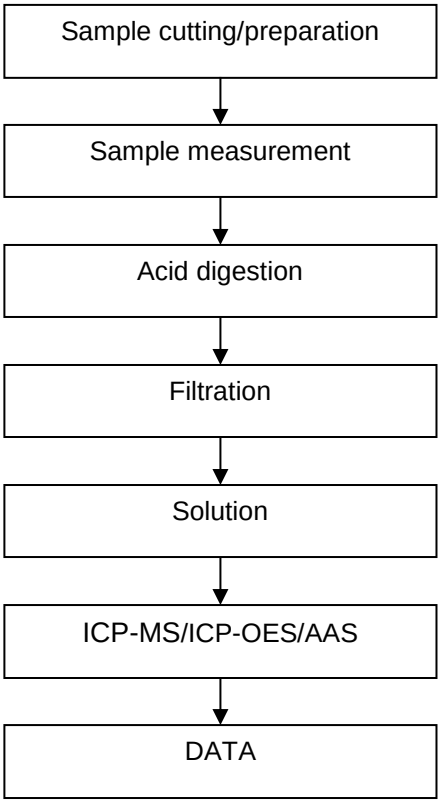
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Elements Testing Flow Chart



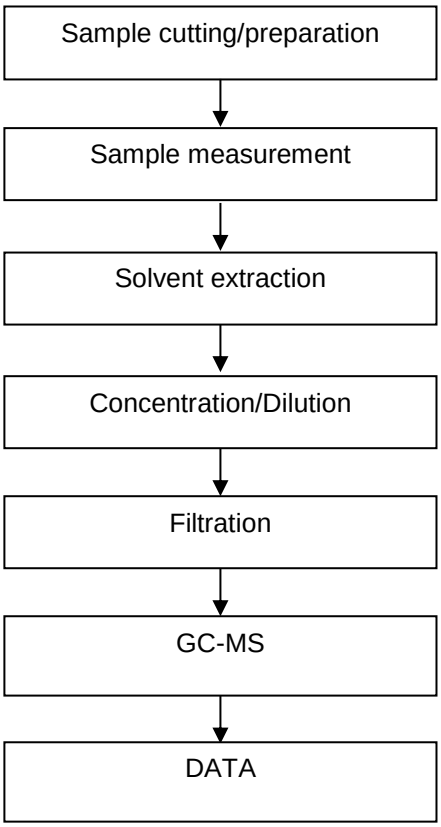
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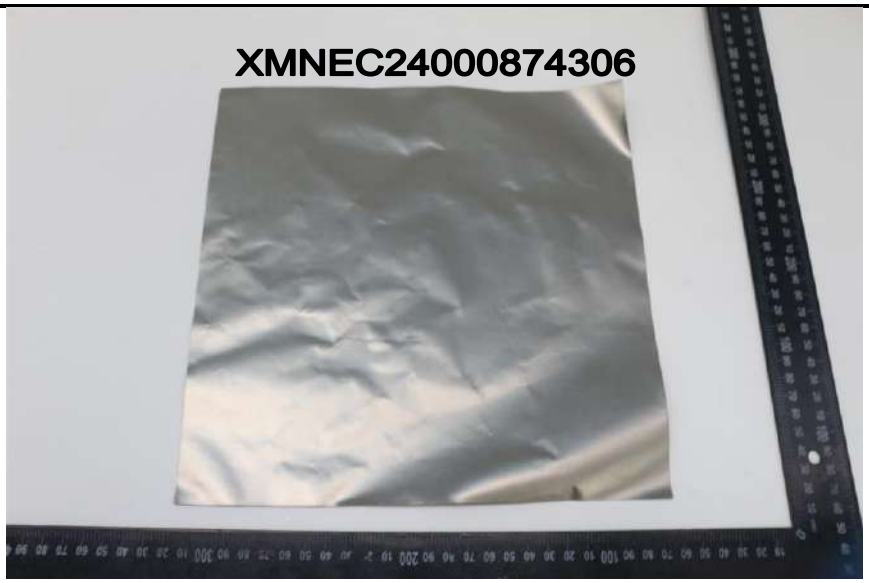
Phthalates Testing Flow Chart



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Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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中国•福建•厦门•火炬（翔安）产业区翔虹路31号 邮编：361101 t 400 - 691 - 0488 sgs.china@sgs.com

Sample Photo:



XMN24-0008743-0001.C006

SGS authenticate the photo on original report only

*** End of Report ***

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SAFETY DATA SHEET

REFERENCE NUMBER 8356B-9005
(3 pages in total)
Establishment 24-Apr-19

SECTION 1. IDENTIFICATION

PRODUCT NAME : Flex Suppressor EFW

NAME OF MANUFACTURER : Tokin Corporation
ADDRESS : 1-1, Asahi-Cho 7-Chome, Shiroishi, Miyagi 989-0223, Japan
CHARGE SECTION : Magentic, Sensor and Actuator Buisiness Group
PERSON IN CHARGE : T. Omiya

TEL : +81-224-24-3564
FAX : +81-224-24-3426

SECTION 2. HAZARDS IDENTIFICATION

CLASS NAME HAZARDOUS CHEMICALS FOR SDS IN JAPAN : Not applicable (NA)

SECTION 3. COMPOSITION & INFORMATION ON INGREDIENTS

THE SPECIFICATION OF MATERIAL
SUBSTANCE : The mixture of the metal powder and plastic
CHEMICAL NAME : -

INFORMATION ON INGREDIENTS

COMPOSITION	THE PRINCIPAL INGREDIENT	CONTENT (wt%)	CAS No.
Metallic powder	Iron	60～90	7439-89-6
	Silicon	5～20	7440-21-3
	Aluminum	1～10	7429-90-5
Plastic	Acrylic rubber	5～15	-
Additive	Nitrogen compound	1～15	-

* The following materials is not being used

Substances depleting the ozone layer
CFC (chlorofluorocarbon)
HCFC (hydrochlorofluorocarbon)
Methyl bromide
1,1,1-trichloroethane
Carbon tetrachloride

*The following materials decided by law is not being used

Cadmium and cadmium compounds
PBB (polybromobiphenyl) category and PBDE (polybrominated biphenyl ethers) category
Chlorinated paraffin category (chlorination paraffin, chlorinated paraffin,C10-13 Cl=50wt% or more)
Polychlorinated biphenyl (PCB) category
Polychlorinated naphthalene category
Organic tin compounds (Tributhyl tin category/Triphenyl tin category)
Asbestos
Azo compounds

CHEMICAL FORMULA : -
PUBLICATION NO. IN OFFICIAL GAZATTE : -
CAS No. : -
UN CLASS AND UN NUMBER : -

SECTION 4. FIRST-AID MEASURES

EYE CONTACT	: Flush eyes with plenty of water. Contact lenses are taken off immediately. If abnormality remains, obtain medical aid as soon as possible.
SKIN CONTACT	: Wash the affected area with plenty of water and soap.
INHALATION	: In case of inhalation of much vapor high-temperature molten resin, move the victim into the fresh air. If there are symptoms like coughing or difficulty in breathing, obtain medical aid as soon as possible.
INGESTION	: Induce the victim to vomit as much as possible. If abnormality remains, obtain medical aid as soon as possible.

SECTION 5. FIRE-FIGHTING MEASURES

FIRE-FIGHTING MEASURE	: Use general fire-fighting measures. Due to thermal decomposition and incomplete combustion, the material will emit gas containing carbon monoxide, carbon dioxide, etc.
EXTINGUISHING MADIA	: Water, ABC, powder, carbon dioxide fire extinguishing.

SECTION 6. ACCIDENTAL RELEASE MEASURES : Not applicable (NA)

SECTION 7. HANDLING AND STORAGE

HANDLING	: Avoid a fire and recommended wearing the adequate protective device. Avoid application where there is a possibility of direct contact to mouth such as tableware.
STORAGE	: Store in cool, dry and dark place.(Temperature≦40 , Humidity≦70%) Avoid putting a weight on the products.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL CONCENTRATION	: Not applicable (NA)
PERSONAL PROTECTIV EQUIPMENT	: Protection gloves

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	: Gray sheet
BOILING POINT	: Not applicable (NA)
MELTING POINT	: Not applicable (NA)
SOLUBILITY	: Not applicable (NA)
VOLATILITY	: Not applicable (NA)
SPECIFIC GRAVITY	: 2.5 ~ 4.5

SECTION 10. PHYSICAL HAZARD (STABILITY AND REACTIVITY)

FLASH POINT	: Not applicable (NA)
STABILITY	: It is stability under the usual handling condition.

SECTION 11. TOXICOLOGICAL INFORMATION

CORROSIVE ACTION ON SKIN	: No information
IRRITANT ACTION ON SKIN	: Not applicable (NA)
ACUTE TOXICITY	: Not applicable (NA)
CHRONIC TOXICITY	: Not applicable (NA)
MUTAGENICITY	: Not applicable (NA)
CARCINOGENCITY	: Not applicable (NA)
TERATOGENICITY	: Not applicable (NA)

SECTION 12. ECOLOGICAL INFORMATION : No information

SECTION 13. DISPOSAL CONSIDERRATION

・The waste should be disposed of by incineration or in landfills.
・In case of incineration, the waste should be treated and incineration in a proper facility in accordance with pertinent laws and regulations.
・In case of disposal in landfills, the waste should be treated in accordance with pertinent laws and regulations.
・To avoid ingestion by oceanic life and birds, never dump or discharge waste material into any part of the sea or waters.
・Dispose in accordance with the Government and local environmental regulation.

When disposing of the product outside Japan, conform to applied laws and regulations in that country or territory.
The Air Pollution Control Law and the Waste Disposal and Public cleaning Law, if disposed of in Japan.

SECTION 14. TRANSPORT INFORMATION

・Avoid rough handling to prevent a package from breaking.
・Avoid putting a weight or mechanical stress on the products.

SECTION 15. REGULATORY INFORMATION : Not applicable (NA)

SECTION 16. OTHER INFORMATION

・About the product with the adhesive tape : Refer to SDS of manufacturer for the adhesive tape
・The information in this SDS was obtained from sources which we believe are reliable, but no warranty or representation as its accuracy or completeness is hereby given. Users should consider the information herein only as supplement to other information

Test Report

No.: JER24401006 Date: 13-May-2024

TERAOKA SEISAKUSHO CO.,LTD.
1-4-22 HIROMACHI SHINAGAWA-KU TOKYO JAPAN

SAMPLE NAME : Double-coated adhesive film tape No.707N #4 Transparent
Lot.40201534

CLIENT REF.NO : S23-1276

THE ABOVE SAMPLE(S) AND INFORMATION WERE PROVIDED BY THE APPLICANT.
上記のサンプル並びに情報は顧客により提供されました。

==========

SAMPLE RECEIVED
サンプル受領日 : 23-Apr-2024

TESTING DATE
分析期間 : 23-Apr-2024 to 13-May-2024

TEST REQUESTED
分析項目 : SELECTED TEST(S) AS REQUESTED BY CLIENT.
分析項目は顧客の要求によります。

TEST METHOD(S)
分析方法 : WITH REFERENCE TO LATEST EDITION OF IEC62321 FOR RoHS 10 SUBSTANCES.
OTHER CHEMICALS WERE TESTED BY EACH APPROPRIATE METHOD.
RoHS10物質の分析は最新版のIEC62321を参照しました。
それ以外の化学物質についてはそれぞれに最適な方法で分析を行いました。

TEST RESULT(S)
分析結果 : PLEASE REFER TO THE NEXT PAGE(S).
以下のページをご参照願います。

CHECK REPORT

PIN CODE: B94E85FC

丸山 文隆

Fumitaka Maruyama / Quality Officer
Central Chemical Laboratory
SGS Japan Inc.

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Test Result(s)

Test Item(s)/ Location	Method	Unit	MDL	Result
Cadmium(Cd)	IEC62321-5: 2013, ICP-OES	mg/kg	2	N.D.
Lead(Pb)	IEC62321-5: 2013, ICP-OES	mg/kg	2	N.D.
Mercury(Hg)	IEC62321-4: 2013+AMD1: 2017, ICP-OES	mg/kg	2	N.D.
Chromium VI(Cr(VI))	IEC62321-7-2: 2017, UV-VIS	mg/kg	8	N.D.
Polybrominated biphenyl(PBBs)				
Monobromobiphenyl	IEC62321-6: 2015, GC/MS	mg/kg	5	N.D.
Dibromobiphenyl	IEC62321-6: 2015, GC/MS	mg/kg	5	N.D.
Tribromobiphenyl	IEC62321-6: 2015, GC/MS	mg/kg	5	N.D.
Tetrabromobiphenyl	IEC62321-6: 2015, GC/MS	mg/kg	5	N.D.
Pentabromobiphenyl	IEC62321-6: 2015, GC/MS	mg/kg	5	N.D.
Hexabromobiphenyl	IEC62321-6: 2015, GC/MS	mg/kg	5	N.D.
Heptabromobiphenyl	IEC62321-6: 2015, GC/MS	mg/kg	5	N.D.
Octabromobiphenyl	IEC62321-6: 2015, GC/MS	mg/kg	5	N.D.
Nonabromobiphenyl	IEC62321-6: 2015, GC/MS	mg/kg	5	N.D.
Decabromobiphenyl	IEC62321-6: 2015, GC/MS	mg/kg	5	N.D.
Polybrominated diphenyl ether(PBDEs)				
Monobromodiphenyl ether	IEC62321-6: 2015, GC/MS	mg/kg	5	N.D.
Dibromodiphenyl ether	IEC62321-6: 2015, GC/MS	mg/kg	5	N.D.
Tribromodiphenyl ether	IEC62321-6: 2015, GC/MS	mg/kg	5	N.D.
Tetrabromodiphenyl ether	IEC62321-6: 2015, GC/MS	mg/kg	5	N.D.
Pentabromodiphenyl ether	IEC62321-6: 2015, GC/MS	mg/kg	5	N.D.
Hexabromodiphenyl ether	IEC62321-6: 2015, GC/MS	mg/kg	5	N.D.
Heptabromodiphenyl ether	IEC62321-6: 2015, GC/MS	mg/kg	5	N.D.
Octabromodiphenyl ether	IEC62321-6: 2015, GC/MS	mg/kg	5	N.D.
Nonabromodiphenyl ether	IEC62321-6: 2015, GC/MS	mg/kg	5	N.D.
Decabromodiphenyl ether	IEC62321-6: 2015, GC/MS	mg/kg	5	N.D.
Diisobutyl phthalate(DIBP)	IEC62321-8: 2017, GC/MS	mg/kg	50	N.D.
Dibutyl phthalate(DBP)	IEC62321-8: 2017, GC/MS	mg/kg	50	N.D.
Butylbenzyl Phthalate(BBP)	IEC62321-8: 2017, GC/MS	mg/kg	50	N.D.
Di(2-ethylhexyl) phthalate(DEHP)	IEC62321-8: 2017, GC/MS	mg/kg	50	N.D.
Fluorine(F)	BS EN14582(2016)/ Combustion, IC	mg/kg	50	N.D.
Chlorine(Cl)	BS EN14582(2016)/ Combustion, IC	mg/kg	50	N.D.
Bromine(Br)	BS EN14582(2016)/ Combustion, IC	mg/kg	50	N.D.
Iodine(I)	BS EN14582(2016)/ Combustion, IC	mg/kg	50	N.D.

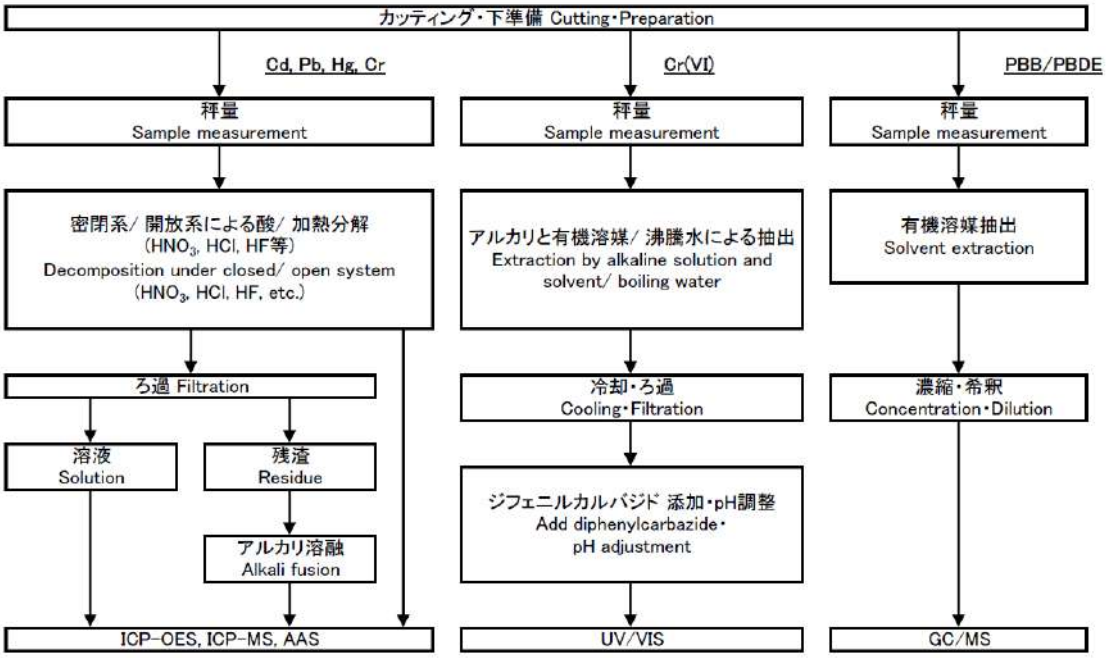
NOTE: mg/kg = ppm, MDL = Method Detection Limit, N.D. = Not Detected

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TERAOKA SEISAKUSHO CO.,LTD.
1-4-22 HIROMACHI SHINAGAWA-KU TOKYO JAPAN

分析フローチャート MEASUREMENT FLOW CHART

酸分解前処理において試料を完全分解しています。
The sample was dissolved/ decomposed totally by acid pre-conditioning method according to below flow chart.

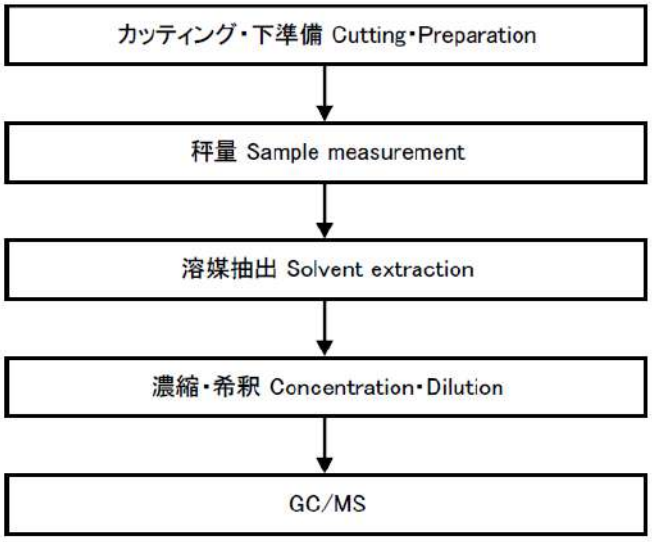


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分析フローチャート MEASUREMENT FLOW CHART

フタル酸エステル
PHTHALATES

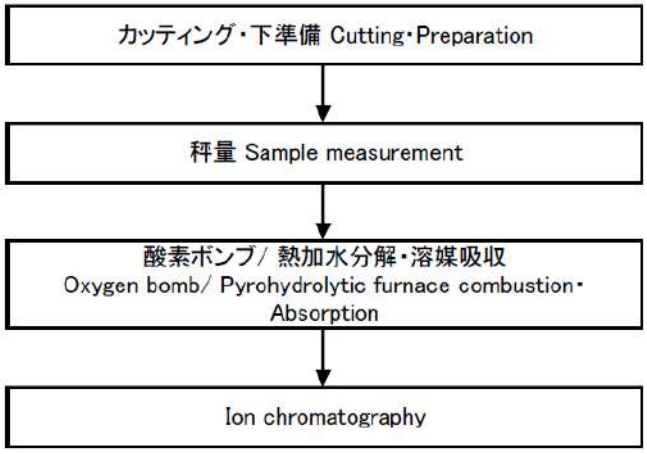


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1-4-22 HIROMACHI SHINAGAWA-KU TOKYO JAPAN

分析フローチャート MEASUREMENT FLOW CHART

ハロゲン HALOGEN



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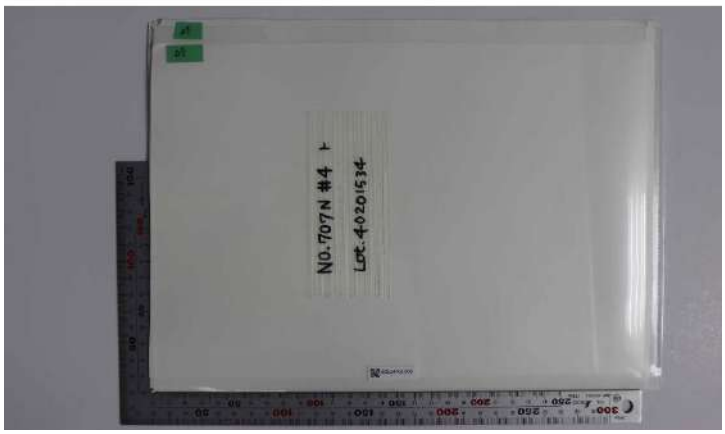
Test Report

No.: JER24401006 Date: 13-May-2024

TERAOKA SEISAKUSHO CO.,LTD.
1-4-22 HIROMACHI SHINAGAWA-KU TOKYO JAPAN

Sample Image

JER24401006



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Safety Data Sheet

Company name : TERAOKA SEISAKUSHO CO., LTD.
Address : 1-4-22 Hiromachi, Shinagawa-ku, Tokyo 140-8711, Japan
Department : Quality Assurance Department
Telephone : 03-3491-0837

Issued : October 1, 2012
Revised : December 9, 2019

1. Product name : Double-coated adhesive film tape No.707N

2. Hazards identification

GHS Classification : Not applicable to classification standard(because our product is “Article”)
Specific hazards : Nothing particular

3. Composition, information on ingredients

Single material or mixture : Mixture material
Component : Polyester film / Acrylic adhesive / Release liner
Chemical formula, CAS No. : Not identifiable, because of mixture of several materials
Pollutant Release and Transfer Register Laws (in Japan)
Class 1 Designated Chemical Substances : Not contained
Class 2 Designated Chemical Substances : Not contained

4. Emergency measures

If entered into eyes : Wash with clean running water and consult the doctor.
If affixed to the skin : It is recommended to peel off slowly and then wash with soap and water.
If swallowed : Consult the doctor immediately.

5. Measures against fire

Extinguishing method : According to the common method.
Extinguisher : Water, general use fire extinguisher (powder, bubble, carbonic acid gas)

6. Measures against leakage

No leakage.

7. Precautions in handling and storage

Handling : Neither there is danger nor harmfulness, except that the tape is heavy weight.
Storage : Avoid direct sunlight, high temperature and humidity.

8. Exposure controls, personal protection

Density to be controlled : Not specified.
Tolerance of density : For Japan Industry Hygienic Institute … Not specified.
For ACGIH … Not specified.
Equipment to be provided : Generally not necessary.
Protective tool : Not necessary.

9. Physical and chemical properties

Appearance : Rolled
Boiling point, Melting point : Unknown
Volatility : None
Solubility(water) : Not soluble

10. Stability and reactivity

Stability : Stable under normal condition
Condition to avoid : No data
Hazardous decomposition products : No data

11. Information about harmfulness (including examples of symptoms for human, epidemiologic information)

Corrosiveness of the skin : No data
Stimulation on the skin : If keeping the skin affixed for a long time, person having a delicate skin or allergy may come out in a rash.
Skin sensitization : No data
Acute virulence(LD_{50}), Sub-acute virulence, Chronic virulence : No data
Possibility of cancer, Reproduction virulence, Possibility of deformity : No data
Possibility of variation (aberration of microbe, chromosome): No data
Others (occurrence of toxic gas by reacting with water, etc.) : No data

12. Information about effect on environment

Resolvability, Accumulation, Toxicity of fish : No data
Others : No data

13. Precautions in disposal

The tape is disposed of according to “Law of disposal of waste and cleaning”.

14. Precautions in transportation

Nothing particular. However, in order to keep the product quality, avoid high temperature and humidity and excessive impact.

15. Applicable rules

Law of disposal of waste and cleaning

16. Other information

Questions about this SDS : Access our website “Contact Us”
http://www.teraokatape.co.jp/
Reference : None

Handling the contents described

(1) The contents described in this sheet are prepared according to the information and so on that we have at present, so they may be revised according to new information.
Precautions are provided with assumption of normal handlings. When they are used with special handlings, safety measures to the usage must be considered.

(2) Care must be taken to the handling because this evaluation of danger and harmfulness is not necessarily sufficient.