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(Date): 12-Apr-2024

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(EVERLIGHT ELECTRONICS CO., LTD.)

6-8 (NO. 6-8, ZHONGHUA RD., SHULIN DIST., NEW TAIPEI CITY 23860, TAIWAN)

(The following sample(s) was/were submitted and identified by the applicant

as)

BASIC INFORMATION	
Type of Product	SMD C TYPE
Supplier Company Name	EVERLIGHT
Address	NO.6-8, ZHONGHUA RD., SHULIN DIST., NEW TAIPEI CITY 23860, TAIWAN
Tel / Fax / Email	TEL:886-2685-6688
	FAX:886-2685-6699
	E-MAIL: lindawang@everlight.com
Contact Person	LI LING WANG
EVERLIGHT REPORT NO	SMD C TYPE 57 SERIES
	Sampling Product: 57-11-C70500H-JL9IL0DADB2737-BT-AM-SGS-12-Apr-2024
PRODUCT INFORMATION	•
Product/component Sample	Dashboard / Door Lamp
description	
Quantity (numbers or weight)	0.0865 g
EVERLIGHT P/N	SMD C TYPE 57 SERIES
	Sampling Product: 57-11-C70500H-JL9IL0DADB2737-BT-AM
Product Lot No	T240212L04F969R
Country of Origin	TAIWAN
TEST INFORMATION	
Sample preparation	CUTTING
Test Method	RoHS: IEC 62321, Halogen: BS EN 14582
MDL	Cd, Pb, Hg: 2 mg/kg, PBBs/PBDEs: 5 mg/kg, Halogen: 50 mg/kg

(Sample Submitted By) : (EVERLIGHT ELECTRONICS CO., LTD.)

(Sample Receiving Date) : 28-Mar-2024

(Testing Period) : 28-Mar-2024 to 12-Apr-2024

(Test Results) : (Please refer to following pages).





PIN CODE: 28EE09I



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: (1)

(2)

: (1)

(2)

No.1 : No.2 : No.3 : No.4 :

(Method) (Unit) (Limit)

No.1 No.2 No.3 mg/kg 2 n.d. --- --- 100

mg/kg 2 6.67



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(Test Items)	(Method)	(Unit)	MDL	No.1	(Result) No.2	No.3	(Limit)
	IEC 62321-4: 2013+ AMD1: 2017	mg/kg	2	n.d.			1000
	(With reference to IEC 62321-4: 2013+ AMD1: 2017, analysis was performed by ICP-OES.)						
	IEC 62321-7-2: 2017	mg/kg	8	n.d.			1000
	(With reference to IEC 62321-7-2: 2017, analysis was performed by UV-VIS.)						
(Monobromobiphenyl)		mg/kg	5	n.d.			-
(Dibromobiphenyl)		mg/kg	5	n.d.			-
		mg/kg	5	n.d.			
		mg/kg	5	n.d.			-
(Pentabromobiphenyl)		mg/kg	5	n.d.			-
		mg/kg	5	n.d.			-
		mg/kg	5	n.d.			
		mg/kg	5	n.d.			
	IEC / 2221 / 2015	mg/kg	5	n.d.			
	IEC 62321-6: 2015 / (With	mg/kg	5	n.d.			
	reference to IEC 62321-6:	mg/kg	-	n.d.			1000
(Monobromodiphenyl ether)	2015, analysis was performed	mg/kg	5	n.d.			-
(Dibromodiphenyl ether)	by GC/MS.)	mg/kg	5	n.d.			-
(Tribromodiphenyl ether)	by GC/1013.)	mg/kg	5	n.d.			-
(Tetrabromodiphenyl ether)		mg/kg	5	n.d.			-
(Pentabromodiphenyl ether)		mg/kg	5	n.d.			-
(Hexabromodiphenyl ether)		mg/kg	5	n.d.			
		mg/kg	5	n.d.			
(Octabromodiphenyl ether)		mg/kg	5	n.d.			-
(Nonabromodiphenyl ether)		mg/kg	5	n.d.			-
		mg/kg	5	n.d.			-
		mg/kg	-	n.d.			1000



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		MDL				
(Method)	(Unit)		NI - 1	N- 2	N = 2	(Limit)
	mg/kg	50	No.1 n.d.	No.2	No.3	1000
	mg/kg	50	n.d.			1000
	mg/kg	50	n.d.			1000
	mg/kg	50	n.d.			1000
	mg/kg	50	n.d.			-
	mg/kg	50	n.d.			-
	mg/kg	50	n.d.			-
	mg/kg	50	n.d.			-
	mg/kg	50	n.d.			-
	mg/kg	50	n.d.			-
	mg/kg	50	n.d.			-
	mg/kg	50 g/kg	n.d.			-



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(Test Items)	(Method)	(Unit)				(Result)		(Limit)
				No.1	No.2	No.3		
(Polycyclic Aromatic								
Hydrocarbons) (PAHs)								
(a) (Benzo[a]pyrene) (CAS No.:		mg/kg	0.2	n.d.				
50-32-8)								
(e) (Benzo[e]pyrene) (CAS No.:		mg/kg	0.2	n.d.				
192-97-2)								
(Benzo[a]anthracene) (CAS		mg/kg	0.2	n.d.				
No.: 56-55-3)								
(b) (Benzo[b]fluoranthene)		mg/kg	0.2	n.d.				
(CAS No.: 205-99-2)								
(j) (Benzo[j]fluoranthene)		mg/kg	0.2	n.d.				
(CAS No.: 205-82-3)								
(k) (Benzo[k]fluoranthene)		mg/kg	0.2	n.d.				
(CAS No.: 207-08-9)								
(Chrysene) (CAS No.: 218-01-9)	A fPS GS 2019:01 PAK	mg/kg	0.2	n.d.				
(Dibenzo[a,h]anthracene)	/ (With	mg/kg	0.2	n.d.				
(CAS No.: 53-70-3)	reference to AfPS GS 2019:01							
(Benzo[g,h,i]perylene) (CAS	PAK, analysis was performed	mg/kg	0.2	n.d.				
No.: 191-24-2)	by GC/MS.)							
(Indeno[1,2,3-c,d]pyrene)		mg/kg	0.2	n.d.				
(CAS No.: 193-39-5)								
(Anthracene) (CAS No.: 120-12-7)		mg/kg	0.2	n.d.				
(Fluoranthene) (CAS No.: 206-		mg/kg	0.2	n.d.				
44-0)		3 3						
(Phenanthrene) (CAS No.: 85-01-		mg/kg	0.2	n.d.				
8)								
(Pyrene) (CAS No.: 129-00-0)		mg/kg	0.2	n.d.				
(Naphthalene) (CAS No.: 91-20-3)		mg/kg	0.2	n.d.				
15 (Sum of 15		mg/kg	-	n.d.				
PAHs)		J g						



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(Test Items)	(Method) (Unit		MDL	(Result)			(Limit)
,	((/		No.1	No.2	No.3	, , , , , , , , , , , , , , , , , , ,
(Be) (Beryllium (Be)) (CAS No.: 7440-41-7)	US EPA 3052: 1996 (With reference to US EPA 3052: 1996, analysis was performed by ICP- OES.)	mg/kg	2	n.d.			-
(Cd) (Cadmium (Cd))	IEC 62321-5: 2013 (IEC 62321-5: 2013 application of modified	mg/kg	2		n.d.		100
(Pb) (Lead (Pb))	digestion by surface etching, analysis was performed by ICP- OES.)	mg/kg	2		n.d.		1000
(Hg) (Mercury (Hg))	IEC 62321-4: 2013+ AMD1: 2017 (IEC 62321-4: 2013+AMD1: 2017 application of modified digestion by surface etching, analysis was performed by ICP- OES.)	mg/kg	2		n.d.		1000
(Cd) (Cadmium (Cd))	IEC 62321-5: 2013 (With reference to IEC 62321-5: 2013,	mg/kg	2			n.d.	100
(Pb) (Lead (Pb))	analysis was performed by ICP-OES.)	mg/kg	2			10.1	1000
(Hg) (Mercury (Hg))	IEC 62321-4: 2013+ AMD1: 2017 (With reference to IEC 62321-4: 2013+ AMD1: 2017, analysis was performed by ICP-OES.)	mg/kg	2			n.d.	1000



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PAHs Remark

(AfPS): GSPAHs

AfPS (German commission for Product Safety): GS PAHs requirements

1 (Category 1) 2 (Category 2) (Category 3) 30) 2009/48/EC (Materials intended to be placed in the mouth, or materials in toys (Parameter) (Directive 2009/48/EC) or articles for



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PFAS Remark					
PFAS	PFAS		PFAS		
			PFAS		PFAS
	(PFAS		PFAS)

(The quantitative technology of PFAS is to analyze the specific structure of PFAS substances. However, PFAS acid and its salts with the same carbon number group have the same specific structure that can be identified. The tested results of the analyzed specific structure cannot be distinguished to identify the contribution from PFAS acid or its salts. Therefore, the tested results display the sum of concentrations of PFAS acids and its salts with the same carbon number group. The concentration of PFAS substances in the below table have been included in the tested results, please refer to the table for relevant information: (The listed PFAS substances are examples only, it do not include all PFAS salts with the same carbon number group.))

(Group Name)	(Substance Name)	CAS No.
	(Perfluorooctane sulfonates) (PFOS)	1763-23-1
	(PFOS-K) Potassium perfluorooctanesulfonate (PFOS-K)	2795-39-3
PFOS, & (PFOS, its salts & derivatives)	(PFOS-Li) Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5
	(PFO S-N H ₄) Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH ₄)	29081-56-9
	$\label{eq:pfos-nh} (PFOS-NH(OH)_2) \\ Perfluorooctane sulfonate diethanolamine salt \\ (PFOS-NH(OH)_2) \\$	70225-14-8
	$(PFOS-N(C_2H_5)_4)$ Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS-N(C_2H_5)_4)	56773-42-3
	(PFOS-DDA) N-decyl-N,N-dimethyldecan-1-aminium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- heptadecafluorooctane-1-sulfonate (PFOS-DDA)	251099-16-8



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(Group Name)	(Substance Name)	CAS No.
	(PO SF) Perfluorooctane sulfonyl fluoride (POSF)	307-35-7
	(PFOS-Mg) Perfluorooctanesulfonic acid, magnesium salt (PFOS-Mg)	91036-71-4
PFOS, & (PFOS, its salts & derivatives)	(PFO S-N a) Perfluorooctanesulfonic acid, sodium salt (PFOS-Na)	4021-47-0
	Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctanesulfonate	71463-74-6
	(Perfluorooctanoic acid) (PFOA)	335-67-1
	(PFO A - N a) Sodium perfluorooctanoate (PFOA-Na)	335-95-5
	(PFO A - K) Potassium perfluorooctanoate (PFOA-K)	2395-00-8
PFOA, &	(PFOA-Ag) Silver perfluorooctanote (PFOA-Ag)	335-93-3
(PFOA, its salts & derivatives)	(PFOA-F) Perfluorooctanoyl fluoride (PFOA-F)	335-66-0
	(APFO) Ammonium pentadecafluorooctanoate (APFO)	3825-26-1
	(PFO A - Li) Lithium perfluorooctanoate (PFOA-Li)	17125-58-5



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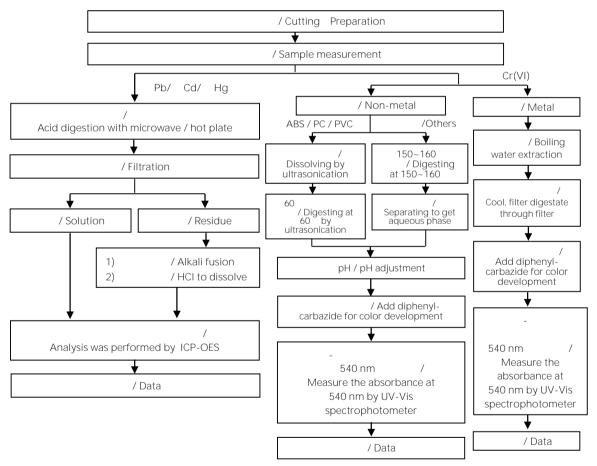
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6-8 (NO. 6-8, ZHONGHUA RD., SHULIN DIST., NEW TAIPEI CITY 23860, TAIWAN)

/ Analytical flow chart of heavy metal

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

Cr6+ test method excluded





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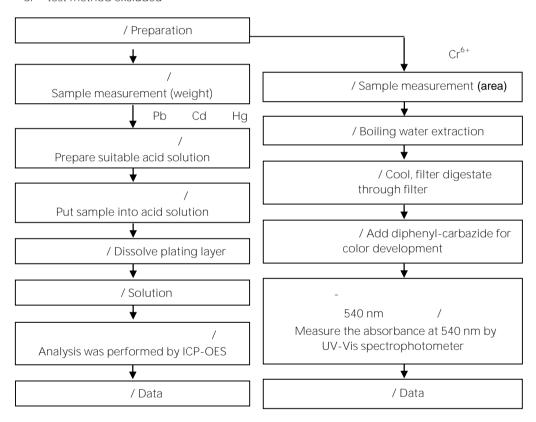
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/ Flow chart of stripping method for metal analysis

/ The plating layer

of samples were dissolved totally by pre-conditioning method according to below flow chart. Cr^{6+} test method excluded





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/ Analytical flow chart - PBBs/PBDEs

/ First testing process
/ Optional screen process
/ Confirmation process

/ Sample pretreatment

/ Screen analysis

/ Sample extraction
/ Soxhlet method

/
Concentrate/Dilute extracted solution

/ Filter

/ GC/MS

/ Data



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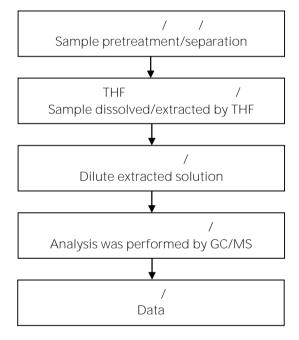
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/ Analytical flow chart - Phthalate

/Test method: IEC 62321-8





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/ Analytical flow chart



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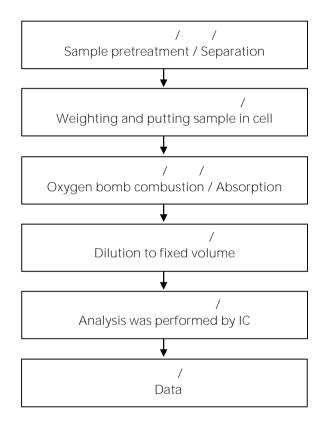
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/ Analytical flow chart - Halogen

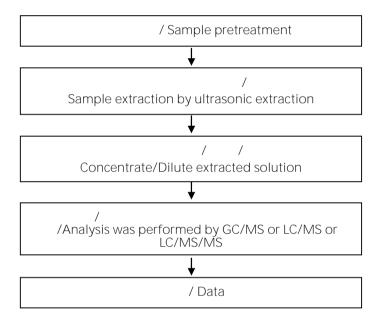




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(/ / /) / Analytical flow chart - PFAS (including PFOA/PFOS/its related compound, etc.)





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Analytical flow chart - PAHs (Polycyclic Aromatic Hydrocarbons)

/
Sample pretreatment

() /
Sample extracted (ultrasonic extraction) by toluene solvent

/
Analysis was performed by GC/MS

/ Data



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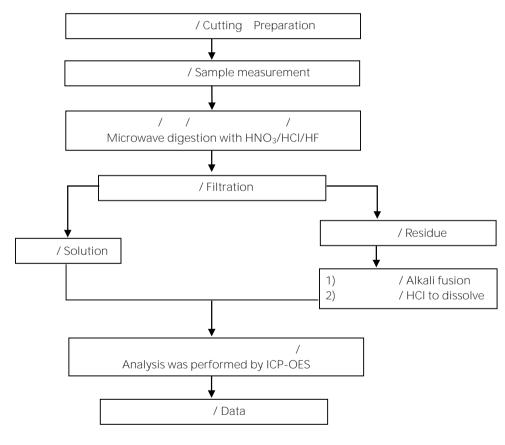
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() / Analytical flow chart of elements (Heavy metal included)

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

/Reference method US EPA 3051A US EPA 3052



* US EPA 3051A

/ US EPA 3051A method does not add HF.



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ICP-OFS

(Flow chart of digestion for the elements analysis performed by ICP-OES)



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(The tested sample / part is marked by an arrow if it's shown on the photo.)







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(End of Report) **