

(Date): 15-Jun-2022

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

Type of Product	HIGH POWER LED_CH2319-X			
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	EVERLIGHT-CH2319-X SERIES			
	Sampling Product: CH2319-C07001H-56B64DK1K42737-2T-AM-SGS-15-Jun-2022			
	·			
Product/component Sample description	DRL/reverse light(white) ,Turning light(pc amber)			
Quantity (numbers or weight)	0.0096 g			
EVERLIGHT P/N	CH2319-X SERIES			
	Sampling Product: CH2319-C07001H-56B64DK1K42737-2T-AM			
Product Lot No	T22021BF13N031			
Country of Origin	TAIWAN			
	·			
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			
(0 1 0 1 1 1 1 2 )				

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

\_\_\_\_\_\_

(Sample Receiving Date) 08-Jun-2022

> (Testing Period) 08-Jun-2022 to 15-Jun-2022

> > (Please refer to following pages).

igned for and on behalf 💸



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- (1) RoHS 2011/65/EU Annex II (EU) 2015/863 , DBP, BBP, DEHP, DIBP (As specified by client, with reference to RoHS 2011/65/EU Annex II and amending Directive (EU) 2015/863 to determine Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP contents in the submitted sample(s).)
- (2) PAHs (As specified by client, to test PAHs and other item(s).)
- (1) , DBP, BBP, DEHP, DIBP ROHS 2011/65/EU Annex II (EU) 2015/863 (Based on the performed tests on submitted sample(s), the test results of Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.)
- (2) (A fPS) GS
  PA Hs 3 (Based upon the performed tests on
  the submitted sample(s), the test results of PAHs (15 items) comply with the
  limits of PA Hs requirement (Category 3) O ther consumer products as set
  by German Committee on Product Safety (AfPS) GS PAHs.)

No.1 HIGH POWER LED\_CH2319-X

(Cd) (Cadmium (Cd)) (CAS No.: 7440- 43-9)	IEC 62321-5: 2013	mg/kg	2	n.d.	100
(Pb) (Lead (Pb)) (CAS No.: 7439-92-1)	(With reference to IEC 62321-5: 2013, analysis was performed by ICP-OES.)	mg/kg	2	n.d.	1000



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			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
			IEC 62321-7-2: 2017 - (With reference to IEC 62321-7-2: 2017, analysis was performed by UV-VIS.)	mg/kg	8	n.d.	1000
				mg/kg	5	n.d.	-
				mg/kg	5	n.d.	_
				mg/kg	5	n.d.	_
				mg/kg	5	n.d.	-
				mg/kg	5	n.d.	-
				mg/kg	5	n.d.	-
(Heo	M(PeŒ	ΙE		mg/kg	5	n.d.	-
				mg/kg	5	n.d.	-
				mg/kg	5	n.d.	-
				mg/kg	5	n.d.	-
				mg/kg	-	n.d.	1000
				mg/kg	5	n.d.	-
				mg/kg	5	n.d.	-
				mg/kg	5	n.d.	-
	bromodipheny			mg/kg	5	n.d.	-
(Penta	bromodipheny	/I ether)		mg/kg	5	n.d.	-
(Hexal	oromodiphenyl	lether)		mg/kg	5	n.d.	-
				mg/kg	5	n.d.	-
				mg/kg	5	n.d.	-
				mg/kg	5	n.d.	-
				mg/kg	5	n.d.	-
				mg/kg	-	n.d.	1000



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(BBP) (Butyl benzyl	IEC 62321-8: 2017 /	mg/kg	50	n.d.	1000
phthalate (BBP)) (CAS No.: 85-68-7)	(With reference to IEC 62321-8:				
	2017, analysis was performed by GC/MS.)				
(DBP) (Dibutyl phthalate		mg/kg	50	n.d.	1000
(DBP)) (CAS No.: 84-74-2)	(With reference to IEC 62321-8:				
	2017, analysis was performed by GC/MS.)				
(2- ) (DEHP) (Di-(2-	IEC 62321-8: 2017 /	mg/kg	50	n.d.	1000
ethylhexyl) phthalate (DEHP)) (CAS No.:	(With reference to IEC 62321-8: 2017, analysis was performed by GC/MS.)				
117-81-7)	, , ,	//	F.0		1000
(DIBP) (Disobutyl	IEC 62321-8: 2017 / (With reference to IEC 62321-8:	mg/kg	50	n.d.	1000
phthalate (DIBP)) (CAS No.: 84-69-5)	2017, analysis was performed by GC/MS.)				
(DIDD) (Diigadaay)	IEC 62321-8: 2017 /	ma/ka	50	n.d.	
(DIDP) (Diisodecyl phthalate (DIDP)) (CAS No.: 26761-40-0,	(With reference to IEC 62321-8:	mg/kg	50	H.G.	-
68515-49-1)	2017, analysis was performed by GC/MS.)				
(DINP) (Diisononyl	IEC 62321-8: 2017 /	mg/kg	50	n.d.	_
phthalate (DINP)) (CAS No.: 28553-12-0,	(With reference to IEC 62321-8:	Trig/ kg	00	11.0.	
68515-48-0)	2017, analysis was performed by GC/MS.)				
(DNOP) (Di-n-octyl	IEC 62321-8: 2017 /	mg/kg	50	n.d.	-
phthalate (DNOP)) (CAS No.: 117-84-0)	(With reference to IEC 62321-8:				
	2017, analysis was performed by GC/MS.)				
(DNPP) (Di-n-pentyl	IEC 62321-8: 2017 /	mg/kg	50	n.d.	-
phthalate (DNPP)) (CAS No.: 131-18-0)	(With reference to IEC 62321-8:				
	2017, analysis was performed by GC/MS.)				
(DNHP) (Di-n-hexyl	IEC 62321-8: 2017 /	mg/kg	50	n.d.	-
phthalate (DNHP)) (CAS No.: 84-75-3)	(With reference to IEC 62321-8:				
	2017, analysis was performed by GC/MS.)				
(2- ) (DMEP)	IEC 62321-8: 2017 /	mg/kg	50	n.d.	-
(Bis(2-methoxyethyl) phthalate (DMEP))	(With reference to IEC 62321-8: 2017, analysis was performed by GC/MS.)				
(CAS No.: 117-82-8)	2017, analysis was performed by GC/WS.)				



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(HBCDD) ( - HBCDD, - HBCDD, - HBCDD) (Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified ( - HBCDD, - HBCDD, - HBCDD)) (CAS No.: 25637-99-4, 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8))	IEC 62321: 2008 / (With reference to IEC 62321: 2008, analysis was performed by GC/MS.)	mg/kg	5	n.d.	-
(F) (Fluorine (F)) (CAS No.: 14762-94-8)		mg/kg	50	122	-
(CI) (Chlorine (CI)) (CAS No.: 22537-15- 1)	BS EN 14582: 2016		50	n.d.	-
(Br) (Bromine (Br)) (CAS No.: 10097-32- 2)	(With reference to BS EN 14582: 2016, analysis was performed by IC.)	mg/kg	50	n.d.	-
(I) (lodine (I)) (CAS No.: 14362-44-8)		mg/kg	50	n.d.	-
(PFOS and its salts) (CAS No.: 1763-23-1 and its salts)	CEN /TS 15968: 2010 (With reference to CEN /TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	0.01	n.d.	-
(PFOA and its salts) (CAS No.: 335-67-1 and its salts)	CEN /TS 15968: 2010 (With reference to CEN /TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	0.01	n.d.	-
(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.	-



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(a) (Benzo[a]pyrene) (CAS No.: 50-32-8)		100 GI /14 GI	0.0	n d	
		mg/kg	0.2	n.d.	
(e) (Benzo[e]pyrene) (CAS No.: 192-97-		mg/kg	0.2	n.d.	
(Benzo[a]anthracene) (CAS No.: 56-55-		no ci /l ci	0.0	n d	
(benzo[a]antinacene) (CAS No.: 50-55-		mg/kg	0.2	n.d.	
(b) (Benzo[b]fluoranthene) (CAS No.:		mg/kg	0.2	n.d.	
205-99-2)		9/1.9	J.2		
(j) (Benzo[j]fluoranthene) (CAS No.:		mg/kg	0.2	n.d.	
205-82-3)					
(k) (Benzo[k]fluoranthene) (CASNo.:		mg/kg	0.2	n.d.	
207-08-9)	A fPS GS 2019:01 PAK /				
(Chrysene) (CAS No.: 218-01-9)	(With reference to AfPS GS	mg/kg	0.2	n.d.	
(Dibenzo[a,h]anthracene) (CASNo.:	2019:01 PAK, analysis was performed by	mg/kg	0.2	n.d.	
53-70-3)	GC/MS.)				
(Benzo[g,h,i]perylene) (CAS No.: 191-	]	mg/kg	0.2	n.d.	
24-2)					
(Indeno[1,2,3-c,d]pyrene) (CAS No.:		mg/kg	0.2	n.d.	
193-39-5)					
(Anthracene) (CAS No.: 120-12-7)		mg/kg	0.2	n.d.	
(Fluoranthene) (CAS No.: 206-44-0)		mg/kg	0.2	n.d.	
(Phenanthrene) (CAS No.: 85-01-8)		mg/kg	0.2	n.d.	
(Pyrene) (CAS No.: 129-00-0)		mg/kg	0.2	n.d.	
(Naphthalene) (CAS No.: 91-20-3)		mg/kg	0.2	n.d.	
		mg/kg	-	n.d.	



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(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. According to this rule, the judgement of conformity is based on the comparing test results with limits.)



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	1 (Category 1)	2 (Category 2)		3 (Category 3)		
(Parameter)	( 30 ) 2009/48/EC 3 (Materials intended to be placed in the mouth, or materials in toys (Directive 2009/48/EC) or articles for children up to 3 years of age with intended long-term skin contact (> 30 seconds))	are not in Category intended or foresec skin contact (> 30 s short-term repetitive the skin) a. 14 (Use by	eable long-term seconds) or we contact with b. (Other consumer	covered by Catego intended or foresed term skin contact ( a. 14 (Use by	30 erials not ry 1 or 2, with eable short- 30 seconds)) b. (Other consumer	
Naphthalene	< 1	children under 14) products) c		children under 14) < 10		
Phenanthrene						
Anthracene	1	5.0	100		50.0	
Fluoranthene	< 1 Sum	< 5 Sum	< 10 Sum	< 20 Sum	< 50 Sum	
Pyrene						
Benzo[a]anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1	
Chrysene	< 0.2	< 0.2	< 0.5	< 0.5	< 1	
Benzo[b]fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1	
Benzo[j]fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1	
Benzo[k]fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1	
Benzo[a]pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1	
Benzo[e]pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1	
Indeno[1,2,3-c,d] pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1	
Dibenzo[a,h]anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1	
Benzo[g,h,i]perylene	< 0.2	< 0.2	< 0.5	< 0.5	< 1	
15 PAH (Sum of 15 PAH)	< 1	< 5	< 10	< 20	< 50	

(Unit) mg/kg



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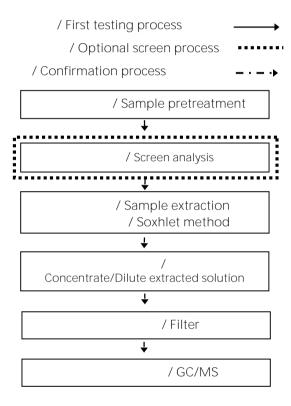
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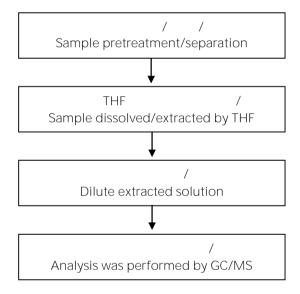




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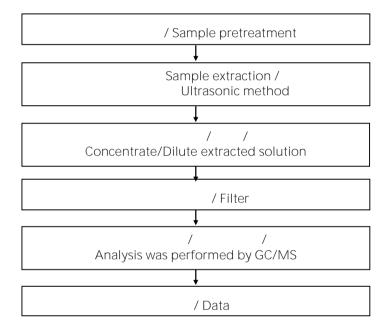




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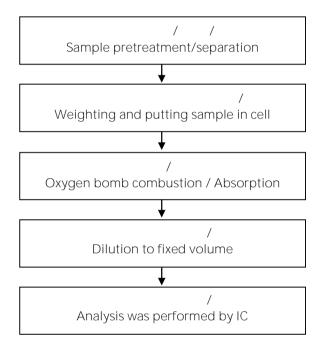




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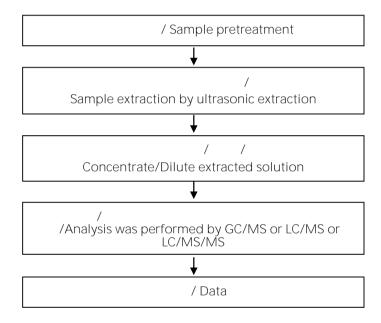




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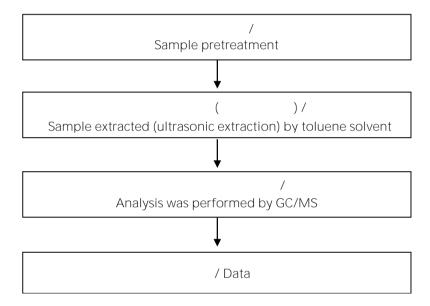




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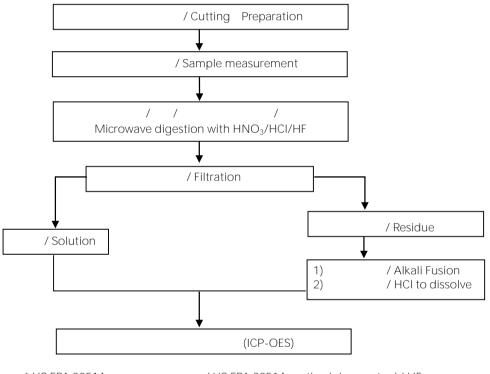
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These samples were dissolved totally by pre-conditioning method according to below flow chart.

/Reference method US EPA 3051A US EPA 3052



\* US EPA 3051A

/ US EPA 3051A method does not add HF.



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#### ETR22601424



\* (End of Report) \*\*