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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_CH2016-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: allenchiang@everlight.com		
Contact Person	Allen		
EVERLIGHT REPORT NO	EVERLIGHT-CH2016-X SERIES		
	Sampling Product: CH2016E-C07001L-53A64DJ6K23037-2T-AM-SGS-15-Jun-2023		
Product/component Sample description	DRL(white) ,Tail lamp(red) ,Turning light(pc amber)		
Quantity (numbers or weight)	0.0094 g		
EVERLIGHT P/N	CH2016-X SERIES		
	Sampling Product: CH2016E-C07001L-53A64DJ6K23037-2T-AM		
Product Lot No	T230317A0702GP15W6L		
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		

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

\_\_\_\_\_

(Sample Receiving Date) 02-Jun-2023

(Testing Period) 02-Jun-2023 to 15-Jun-2023

(Please refer to following pages).





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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
  PAHs 3 (Based upon the performed tests on the submitted sample(s), the test results of PAHs (15 items) comply with the limits of PAHs requirement (Category 3) O ther consumer products as set by German Committee on Product Safety (AfPS) GS PAHs.)

No.1 HIGH POWER LED\_CH2016-X

(Cd) (Cadmium (Cd))	IEC 62321-5: 2013	mg/kg	2	n.d.	100
(Pb) (Lead (Pb))	(With reference to IEC 62321-5: 2013, analysis was performed by ICP-OES.)	mg/kg	2	n.d.	1000



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	1	1		I	1
(11> /\) /\ /\ / - \ /	IEC (2221 4, 2012 AMD1, 2017				1000
(Hg) (Mercury (Hg))	IEC 62321-4: 2013+ AMD1: 2017 (With reference	mg/kg	2	n.d.	1000
	to IEC 62321-4: 2013+ AMD1: 2017, analysis				
	was performed by ICP-OES.)				
Cr(VI) (Hexavalent Chromium	IEC 62321-7-2: 2017 -	mg/kg	8	n.d.	1000
Cr(VI))	(With reference to IEC	9. 9			
	62321-7-2: 2017, analysis was performed by				
	UV-VIS.)				
(Monobromobiphenyl)		mg/kg	5	n.d.	-
(Dibromobiphenyl)		mg/kg	5	n.d.	-
(Tribromobiphenyl)		mg/kg	5	n.d.	-
(Tetrabromobiphenyl)		mg/kg	5	n.d.	-
(Pentabromobiphenyl)		mg/kg	5	n.d.	-
(Hexabromobiphenyl)		mg/kg	5	n.d.	-
(Heptabromobiphenyl)		mg/kg	5	n.d.	-
(Octabromobiphenyl)		mg/kg	5	n.d.	-
(Nonabromobiphenyl)		mg/kg	5	n.d.	-
(Decabromobiphenyl)	JEC (2221 (, 2015 )	mg/kg	5	n.d.	-
	IEC 62321-6: 2015 / (With reference to IEC 62321-6:	mg/kg	-	n.d.	1000
(Monobromodiphenyl ether)	2015, analysis was performed by GC/MS.)	mg/kg	5	n.d.	-
(Dibromodiphenyl ether)	2013, analysis was performed by Germis.)	mg/kg	5	n.d.	-
(Tribromodiphenyl ether)		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.	-
(Heptabromodiphenyl ether)		mg/kg	5	n.d.	-
(Octabromodiphenyl ether)		mg/kg	5	n.d.	-
(Nonabromodiphenyl ether)		mg/kg	5	n.d.	-
(Decabromodiphenyl ether)		mg/kg	5	n.d.	-
		mg/kg	-	n.d.	1000



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

(BBP) (Butyl benzyl phthalate (BBP))	IEC 62321-8: 2017 / (With reference to IEC 62321-8:	mg/kg	50	n.d.	1000
(DBP) (Dibutyl phthalate (DBP))	2017, analysis was performed by GC/MS.) IEC 62321-8: 2017 (With reference to IEC 62321-8:	mg/kg	50	n.d.	1000
(2)= ) (DEHP) (Di-(2-ethylhexyl) phthalate (DEHP))	2017, analysis was performed by GC/MS.) IEC 62321-8: 2017 (With reference to IEC 62321-8:	mg/kg	50	n.d.	1000
(DIBP) (Diisobutyl phthalate (DIBP))	2017, analysis was performed by GC/MS.) IEC 62321-8: 2017 (With reference to IEC 62321-8:	mg/kg	50	n.d.	1000
(DIDP) (Diisodecyl phthalate (DIDP)) (CAS No.: 26761-40-0,	2017, analysis was performed by GC/MS.) IEC 62321-8: 2017 (With reference to IEC 62321-8:	mg/kg	50	n.d.	-
(DINP) (Diisononyl phthalate (DINP)) (CAS No.: 28553-12-0,	2017, analysis was performed by GC/MS.) IEC 62321-8: 2017 (With reference to IEC 62321-8:	mg/kg	50	n.d.	-
(DNOP) (Di-n-octyl phthalate (DNOP)) (CAS No.: 117-84-0)	2017, analysis was performed by GC/MS.) IEC 62321-8: 2017 (With reference to IEC 62321-8:	mg/kg	50	n.d.	-
(DNPP) (Di-n-pentyl phthalate (DNPP)) (CAS No.: 131-18-0)	2017, analysis was performed by GC/MS.) IEC 62321-8: 2017 (With reference to IEC 62321-8:	mg/kg	50	n.d.	-
(DNHP) (Di-n-hexyl phthalate (DNHP)) (CAS No.: 84-75-3)	2017, analysis was performed by GC/MS.)  IEC 62321-8: 2017  (With reference to IEC 62321-8:	mg/kg	50	n.d.	-
(2- ) (DMEP) (Bis(2-methoxyethyl) phthalate (DMEP)) (CAS No.:	2017, analysis was performed by GC/MS.)  IEC 62321-8: 2017  (With reference to IEC 62321-8:	mg/kg	50	n.d.	-
117-82-8) (DMP) (Dimethyl phthalate (DMP)) (CAS No.: 131-11-3)	2017, analysis was performed by GC/MS.)  IEC 62321-8: 2017  (With reference to IEC 62321-8: 2017, analysis was performed by GC/MS.)	mg/kg	50	n.d.	-



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IEC 62321-8: 2017 (With reference to IEC 6	/ 52321-8 <sup>.</sup>	mg/kg	50	n.d.	-
2017, analysis was performed by		//	50		
IEC 62321-8: 2017 (With reference to IEC 6		mg/kg	50	n.d.	-
2017, analysis was performed by	y GC/MS.)				
IEC 62321: 2008	/	mg/kg	5	n.d.	-
(With reference to IEC 623					
analysis was performed by GC/N	/IS.)				
		mg/kg	50	98.1	-
		mg/kg	50	n.d.	-
		mg/kg	50	n.d.	-
		//	F.0		
		mg/kg	50	n.d.	-

CEN/TS 15968: 2010 (With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)



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

(a) (Benzo[a]pyrene) (CAS No.: 50-32-8)		mg/kg	0.2	n.d.	
(e) (Benzo[e]pyrene) (CAS No.: 192-97- 2)		mg/kg	0.2	n.d.	
(Benzo[a]anthracene) (CAS No.: 56-55-3)		mg/kg	0.2	n.d.	
(b) (Benzo[b]fluoranthene) (CAS No.: 205-99-2)		mg/kg	0.2	n.d.	
(j) (Benzo[j]fluoranthene) (CAS No.: 205-82-3)		mg/kg	0.2	n.d.	
(k) (Benzo[k]fluoranthene) (CAS No.: 207-08-9)	A fPS GS 2019:01 PAK /	mg/kg	0.2	n.d.	
(Chrysene) (CAS No.: 218-01-9)	(With reference to AfPS GS	mg/kg	0.2	n.d.	
(Dibenzo[a,h]anthracene) (CASNo.: 53-70-3)	2019:01 PAK, analysis was performed by GC/MS.)	mg/kg	0.2	n.d.	
(Benzo[g,h,i]perylene) (CAS No.: 191- 24-2)		mg/kg	0.2	n.d.	
(Indeno[1,2,3-c,d]pyrene) (CAS No.: 193-39-5)		mg/kg	0.2	n.d.	
(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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1. mg/kg = ppm 0.1wt\% = 0.1\% = 1000ppm
2. MDL = Method Detection Limit (
3. n.d. = Not Detected (
                            );
                                  MDL / Less than MDL
4. "-" = Not Regulated (
                                  (PFOS and its salts including):
  CAS No.: 1763-23-1, 2795-39-3, 29457-72-5, 29081-56-9, 70225-14-8, 56773-42-3, 251099-16-8, 307-35-7,
  91036-71-4, 4021-47-0 and others.
                              (PFOA and its salts including):
6.
  CAS No.: 335-67-1, 335-95-5, 2395-00-8, 335-93-3, 335-66-0, 3825-26-1 and others.
7.
                     ILA C-G 8:09/2019
                                                     (W=0)
                             (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)	•	1 30 ( ) (Materials that are not in Category 1, with intended or foreseeable long	

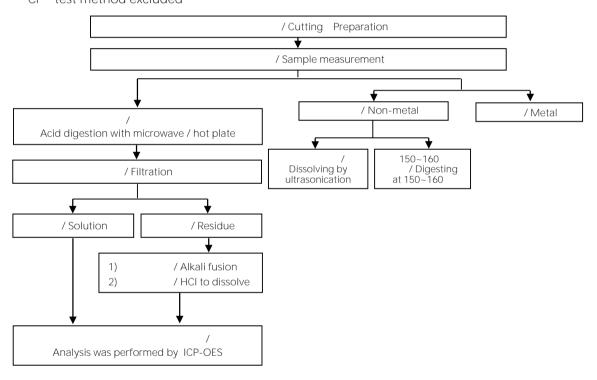


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These samples were dissolved totally by pre-conditioning method according to below flow chart.  $Cr^{6+}$  test method excluded

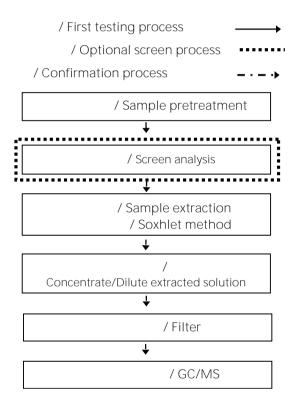




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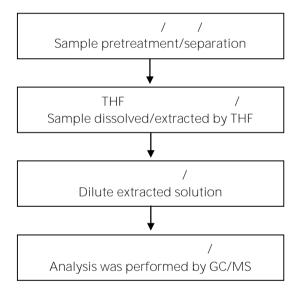




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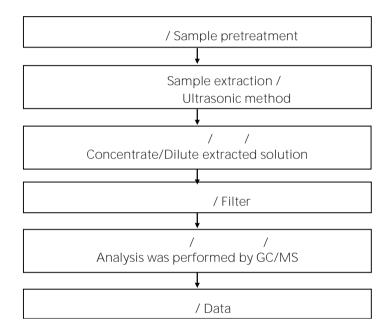




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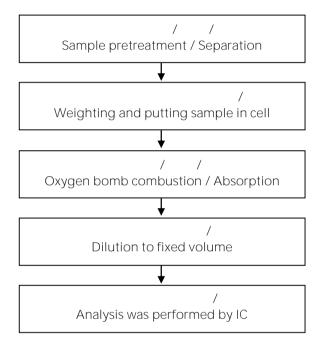




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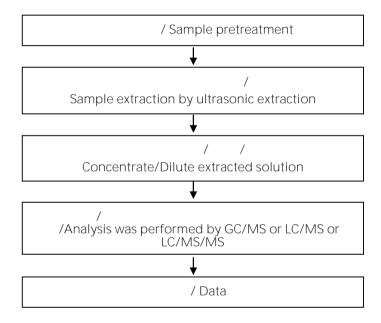




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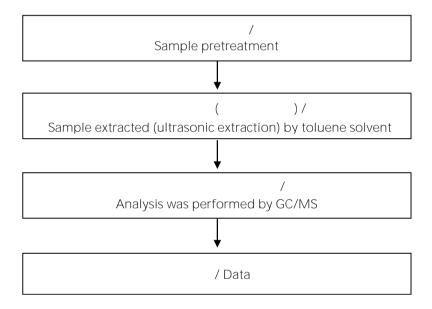




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