TEST REPORT

Report No.:	BCTC2209642579-2R
Applicant:	NingBo JiangBei Runleader Electronics Co., Ltd.
Product Name:	HOUR METER
Product Type:	RL-HM037AL
Tested Date:	2022-09-05 to 2022-09-19
Issued Date:	2022-09-26

Shenzhen BCTC Testing Co., Ltd.

Product Name	HOUR METER	
Product Type	RL-HM037AL	
Additional Type	Please refer to the following page(s).	
Applicant	NingBo JiangBei Runleader Electronics Co., Ltd.	
Address	1-2, Sixth Xinheng Road, Cicheng, Jiangbei District, Ningbo City, Zhejiang Province	
Manufacturer	NingBo JiangBei Runleader Electronics Co., Ltd.	
Address	1-2, Sixth Xinheng Road, Cicheng, Jiangbei District, Ningbo City, Zhejiang Province	
Trademark	Runleader®	
Sample Received Date	2022-09-05	
Test Type	Entrustment Test	
Test Requested	As specified by client, based on the list published by European chemicals agency (ECHA) for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the two hundred and twenty-four (224) Substances of Very High Concern (SVHC) in the submitted sample.	
Summary	According to the specified scope and analytical techniques, concentrations of SVHC are less than 0.1%(w/w) in the submitted sample(s).	PASS

Prepared by: Bear

Bear

Approved by: Saher Chen

Saher Chen

Additional Type:

RL-HM001, RL-HM002, RL-HM003, RL-HM004, RL-HM005, RL-HM005A, RL-HM005B, RL-HM005D, RL-HM005H, RL-HM005L, RL-HM005L1, RL-HM006A, RL-HM006B, RL-HM007, RL-HM008 Series(RL-HM008, RL-HM008-1, RL-HM008A, RL-HM008B, RL-HM008C, RL-HM008L etc;), RL-HM009, RL-HM010 Series(RL-HM010, RL-HM010-1, RL-HM010A, RL-HM010A-SC, RL-HM010B, RL-HM010C, RL-HM010D, RL-HM010L RL-HM010B-229, RL-HM010B-4949 etc;), RL-HM011 Series(RL-HM011, RL-HM011A, RL-HM011B, RL-HM011C, RL-HM011D, RL-HM011H, RL-HM011HA, RL-HM011HB, RL-HM011L, RL-HM011N, RL-HM011E, RL-HM011F, RL-HM011G etc;), RL-HM012, RL-HM012-2, RL-HM012-4, RL-HM012C, RL-HM015B, RL-HM015B-5995, RL-HM016Series(RL-HM016, RL-HM016B, RL-HM016B1, RL-HM016C, RL-HM016G, RL-HM016H, RL-HM016R etc;), RL-HM018, RL-HM018-1, RL-HM018R, RL-HM018R-1, RL-HM019Series(RL-HM019, RL-HM019A, RL-HM019B, RL-HM019C, RL-HM019G, RL-HM019H, RL-HM019J, RL-HM019N, RL-HM019R, RL-HM019V, RL-HM019W, RL-HM019X etc), RL-HM020, RL-HM020R, RL-HM020RV, RL-HM020R-RV, RL-HM021, RL-HM022, RL-HM025, RL-HM025A, RL-HM025B, RL-HM025R, RL-HM026, RL-HM026A, RL-HM026B, RL-HM026C, RL-HM027, RL-HM027A, RL-HM027B, RL-HM027C, RL-HM027X, RL-HM027L, RL-HM027W, RL-HM027AL, RL-HM027BL, RL-HM028, RL-HM028A, RL-HM029, RL-HM030, RL-HM031, RL-HM032Series(RL-HM032, RL-HM032A, RL-HM032A-1, RL-HM032B, RL-HM032B-1, RL-HM032C, RL-HM032C-1, RL-HM032R, RL-HM032RV, RL-HM032T, RL-HM032G, RL-HM032G-1 etc), RL-HM035, RL-HM035A, RL-HM035B, RL-HM035C, RL-HM035R, RL-HM035T, RL-HM035L, RL-HM035LT, RL-HM037, RL-HM037A, RL-HM037B, RL-HM037BL, RL-HM037AH, RL-HM037BH, RL-HM038 Series(RL-HM038, RL-HM038A, RL-HM038R, RL-HM038M, RL-HM038W, RL-HM038AD, RL-HM038AD-1, RL-HM038AG, RL-HM038AG-1, RL-HM038AGH, RL-HM038AGH1, RL-HM038AGH2, RL-HM038AG-H, RL-HM038AGR, RL-HM038ADS, RL-HM038AG-H-1, RL-HM038AG-H-2 etc;), RL-HM039, RL-HM050, RL-HM051, RL-HM052, RL-HM055 Series(RL-HM055, RL-HM055A, RL-HM055R, RL-HM055H, RL-HM055V, RL-HM055AD, RL-HM055AG, RL-HM055AD-1, RL-HM055AG-1, RL-HM055MTD, RL-HM055AGR, RL-HM055ADS etc;), RL-HM056 Series(RL-HM056, RL-HM056R, RL-HM056AD, RL-HM056AG, RL-HM056AGR, RL-HM056ADS etc;), RL-HM057 Series(RL-HM057, RL-HM057A, RL-HM057A-6798, RL-HM057A-229, RL-HM057A-7025, RL-HM057A-1, RL-HM057A-1-6288, RL-HM057R, RL-HM057R-1, RL-HM057AD, RL-HM057AD-229, RL-HM057AD-1130, RL-HM057AD-3116, RL-HM057AD-1, RL-HM057AD-1-6288, RL-HM057AD-H, RL-HM057AD-H-2, RL-HM057AD-H-3, RL-HM057AG, RL-HM057AG-1, RL-HM057ADH, RL-HM057ADH1, RL-HM057ADH2, RL-HM057ADH3, RL-HM057AGR, RL-HM057AGR-1, RL-HM057ADS, RL-HM057ADS-1 etc;), RL-HM058, RL-HM058A, RL-HM058B, RL-HM058C, RL-HM058G, RL-HM059, RL-HM059A, RL-HM059B, RL-HM059G, RL-HM060, RL-HM061, RL-HM062, RL-HM063 Series(RL-HM063, RL-HM063R, RL-HM063C, RL-HM063AD, RL-HM063AD-1, RL-HM063AG, RL-HM063AG-1, RL-HM063AGR, RL-HM063AGR-1, RL-HM063ADS, RL-HM063ADS-1 etc;), RL-HM064, RL-HM065 Series(RL-HM065, RL-HM065R, RL-HM065AD, RL-HM065AG, RL-HM065AGR, RL-HM065ADS etc;), RL-HM066, RL-HM067, RL-HM068Series(RL-HM068, RL-HM068A, RL-HM068B, RL-HM068G etc), RL-HM069Series(RL-HM069A, RL-HM069B, RL-HM069X, RL-HM069AH11, RL-HM069AH21, RL-HM069AH31, RL-HM069AL11, RL-HM069AL21, RL-HM069AL31, RL-HM069BH11, RL-HM069BH21, RL-RL-RL-RL-HM069BH31, RL-HM069BL11, RL-HM069BL21, RL-HM069BL31, RL-HM069XH11,

RL-HM069XH21, RL-HM069XH31, RL-HM069XL11, RL-HM069XL21, RL-HM069XL31, RL-HM069AH10, RL-HM069AH20, RL-HM069AH30, RL-HM069AL10, RL-HM069AL20, RL-HM069AL30, RL-HM069BH10, RL-HM069BH20, RL-HM069BH30, RL-HM069BL10, RL-HM069BL20, RL-HM069BL30, RL-HM069XH10, RL-HM069XH20, RL-HM069XH30, RL-HM069XL10, RL-HM069XL20, RL-HM069XL30 etc), RH-HM070, RL-HM071, RL-HM071A, RL-HM071B, RL-HM072, RL-HM073, RL-HM074, RL-HM075, RL-HM075A, RL-HM075B, RL-HM075C, RL-HM076, RL-HM077, RL-HM078, RL-HM078AD, RL-HM078AG, RL-HM078ADS, RL-HM078AGR, RL-HM079, RL-HM080, RL-HM080A, RL-HM080R, RL-HM081, RL-HM081A, RL-HM081R, RL-HM082, RL-HM083, RL-HM084, RL-HM085, RL-HM086, RL-HM087, RL-HM088, RL-HM089, RL-HM090, RL-HM091, RL-HM092, RL-HM093, RL-HM094, RL-HM095, RL-HM096, RL-HM097, RL-HM098, RL-HM099, RL-HM100, RL-HM200, RL-HM200A, RL-HM200B, RL-HM200C, RL-HM201, RL-HM202, RL-HM202A, RL-HM205, RL-HM206, RL-HM027, RL-HM208, RL-HM209, RL-HM210, RL-HM400, RL-HM406, RL-HM410, RL-HM420, RL-HM430, RL-HM450, RL-HM6154B

Test Result(s):

BCTC Tested Sample Groups	Groups Description	Photo No	SVHC Results (%)
001	Nonmetal group	1+2+4+5+8+9+10+11+13+14 +15	N.D.
002	Metal group	3+6+7+12	N.D.

Tested Sample/Part Description:

Photo No.	Sample Description
1	Black plastic
2	Transparent plastic
3	Silver metal contact sheet
4	Black rubber
5	Green PCB
6	Tin solder
7	Silver metal pin
8	SMD audion
9	SMD capacitor
10	SMD resistor

11	Black jacket
12	Aluminum shell
13	White glue
14	Display glass
15	Transparent rubber

Substances in the Candidate List of SVHC:

Batch	Code	Substance Name	CAS No.	EC No.	Report Limit (%)
I	1	4,4'-Diaminodiphenylmethane(MDA)	101-77-9	202-974-4	0.020
I	2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	0.020
I	3	Alkanes, C10-13, chloro(Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	0.020
I	4	Anthracene	120-12-7	204-371-1	0.020
I	5	Benzyl butyl phthalate(BBP)	85-68-7	201-622-7	0.020
I	6	Bis (2-ethylhexyl)phthalate(DEHP)	117-81-7	204-211-0	0.020
I	7	Bis(tributyltin)oxide(TBTO)	56-35-9	200-268-0	0.020
I	8	Cobalt dichloride**	7646-79-9	231-589-4	0.010
I	9	Diarsenic pentaoxide**	1303-28-2	215-116-9	0.010
I	10	Diarsenic trioxide**	1327-53-3	215-481-4	0.010
I	11	Dibutyl phthalate(DBP)	84-74-2	201-557-4	0.020
I	12	Hexabromocyclododecane(HBCDD) and all major diastere oisomers identified	25637-99-4/ 3194-55-6 (134237-50-6/ 134237-51-7/ 134237-52-8)	247-148-4/ 221-695-9	0.020
I	13	Lead hydrogen arsenate**	7784-40-9	232-064-2	0.010
I	14	Sodium dichromate **	7789-12-0/ 10588-01-9	234-190-3	0.010
I	15	Triethyl arsenate**	15606-95-8	427-700-2	0.010
II	16	2,4-Dinitrotoluene	121-14-2	204-450-0	0.020
II	17	Anthracene oil	90640-80-5	292-602-7	0.020

Batch	Code	Substance Name		CAS No.	EC No.	Report Limit (%)
II	18	Anthracene oil, anthracene paste		90640-81-6	292-603-2	0.020
II	19	Anthracene oil, anthracene paste, anthracene fraction		91995-15-2	295-275-9	0.020
II	20	Anthracene oil, anthracene paste, distn. lights		91995-17-4	295-278-5	0.020
II	21	Anthracene oil, anthracene-low		90640-82-7	292-604-8	0.020
II	22	Diisobutyl phthalate(DIBP)		84-69-5	201-553-2	0.020
II	23	Lead chromate**		7758-97-6	231-846-0	0.010
II	24	Lead chromate molybdate sulphate red(C.I. Pigment Red 104) **		12656-85-8	235-759-9	0.010
II	25	Lead sulfochromate yellow (C.I.Pigment Yellow 34) **		1344-37-2	215-693-7	0.010
II	26	Pitch, coal tar, high temp.		65996-93-2	266-028-2	0.020
II	27	Tris(2-chloroethyl)phosphate		115-96-8	204-118-5	0.020
II	28	Acrylamide		79-06-1	201-173-7	0.020
III	29	Ammonium dichromate**		7789-09-5	232-143-1	0.010
III	30	Boric acid**		10043-35-3/ 11113-50-1	233-139-2/ 234-343-4	0.010
III	31	Disodium tetraborate, anhydrous**		1330-43-4/ 12179-04-3/ 1303-96-4	215-540-4	0.010
III	32	Potassium chromate**		7789-00-6	232-140-5	0.010
III	33	Potassium dichromate**		7778-50-9	231-906-6	0.010
III	34	Sodium chromate**		7775-11-3	231-889-5	0.010
III	35	Tetraboron disodium heptaoxide, hydrate**		12267-73-1	235-541-3	0.010
III	36	Trichloroethylene		79-01-6	201-167-4	0.020
IV	37	2-Ethoxyethanol		110-80-5	203-804-1	0.020
IV	38	2-Methoxyethanol		109-86-4	203-713-7	0.020
IV	39	Acids generated from chromium trioxide and their oligomers	Chromic acid**	7738-94-5	231-801-5	0.010
			Dichromic acid**	13530-68-2	236-881-5	0.010
			Oligomers of chromic acid and dichromic acid**	--	--	0.010
IV	40	Chromium trioxide**		1333-82-0	215-607-8	0.010

Batch	Code	Substance Name	CAS No.	EC No.	Report Limit (%)
IV	41	Cobalt(II) carbonate**	513-79-1	208-169-4	0.010
IV	42	Cobalt(II) diacetate**	71-48-7	200-755-8	0.010
IV	43	Cobalt(II) dinitrate**	10141-05-6	233-402-1	0.010
IV	44	Cobalt(II) sulphate**	10124-43-3	233-334-2	0.010
V	45	1,2,3-Trichloropropane	96-18-4	202-486-1	0.020
V	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters,C7-rich(DIHP)	71888-89-6	276-158-1	0.020
V	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters(DHNUP)*	68515-42-4	271-084-6	0.020
V	48	1-Methyl-2-pyrrolidone	872-50-4	212-828-1	0.020
V	49	2-Ethoxyethyl acetate	111-15-9	203-839-2	0.020
V	50	Hydrazine	7803-57-8/ 302-01-2	206-114-9	0.020
V	51	Strontium chromate**	7789-06-2	232-142-6	0.010
VI	52	1,2-Dichloroethane	107-06-2	203-458-1	0.020
VI	53	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	0.020
VI	54	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	0.020
VI	55	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	205-426-2	0.020
VI	56	Aluminosilicate Refractory Ceramic Fibres(RCF)**	--	--	0.010
VI	57	Arsenic acid**	7778-39-4	231-901-9	0.010
VI	58	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	0.020
VI	59	Bis(2-methoxyethyl) phthalate(DMEP)	117-82-8	204-212-6	0.020
VI	60	Calcium arsenate**	7778-44-1	231-904-5	0.010
VI	61	Dichromium tris(chromate)**	24613-89-6	246-356-2	0.010
VI	62	Formaldehyde, oligomeric reaction products with aniline(technical MDA)	25214-70-4	500-036-1	0.020
VI	63	Lead diazide Lead azide **	13424-46-9	236-542-1	0.010
VI	64	Lead dipicrate**	6477-64-1	229-335-2	0.010
VI	65	Lead styphnate**	15245-44-0	239-290-0	0.010

Batch	Code	Substance Name	CAS No.	EC No.	Report Limit (%)
VI	66	N,N-dimethylacetamide(DMAC)	127-19-5	204-826-4	0.020
VI	67	Pentazinc chromate octahydroxide**	49663-84-5	256-418-0	0.010
VI	68	Phenolphthalein	77-09-8	201-004-7	0.020
VI	69	Potassium hydroxyoctaoxodizincatedichromate**	11103-86-9	234-329-8	0.010
VI	70	Trilead diarsenate**	3687-31-8	222-979-5	0.010
VI	71	Zirconia Aluminosilicate Refractory Ceramic Fibres(Zr-RCF)**	--	--	0.010
VII	72	1,2-dimethoxyethane; ethylene glycol dimethyl ether(EGDME)	110-71-4	203-794-9	0.020
VII	73	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3	0.020
VII	74	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine- 2,4,6(1H,3H,5H)-trione)	2451-62-9	219-514-3	0.020
VII	75	β-TGIC(1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	423-400-0	0.020
VII	76	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	209-218-2	0.020
VII	77	4,4'-bis(dimethylamino) benzophenone(Michler's ketone)	90-94-8	202-027-5	0.020
VII	78	[4-[4,4'-bis(dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride(C.I. Basic Violet 3)	548-62-9	208-953-6	0.020
VII	79	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl] methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	219-943-6	0.020
VII	80	Diboron trioxide**	1303-86-2	215-125-8	0.010
VII	81	Formamide	75-12-7	200-842-0	0.020
VII	82	Lead(II)bis(methanesulfonate) **	17570-76-2	401-750-5	0.010
VII	83	N,N,N',N'-tetramethyl-4,4'-methylenedi aniline(Michler's base)	101-61-1	202-959-2	0.020
VII	84	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8	0.020

Batch	Code	Substance Name	CAS No.	EC No.	Report Limit (%)
VIII	85	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	0.020
VIII	86	1,2-Diethoxyethane	629-14-1	211-076-1	0.020
VIII	87	1-bromopropane; n-propyl bromide	106-94-5	203-445-0	0.020
VIII	88	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxaz olidine	143860-04-2	421-150-7	0.020
VIII	89	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	0.020
VIII	90	4,4'-oxydianiline and its salts	101-80-4	202-977-0	0.020
VIII	91	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated -covering well-defined substances and UVCB substances, polymers and homologues	--	--	0.020
VIII	92	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	200-453-6	0.020
VIII	93	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	202-453-1	0.020
VIII	94	4-Nonylphenol, branched and linear-substances with a linear and/or branchedalkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof	--	--	0.020
VIII	95	6-methoxy-m-toluidine(p-cresidine)	120-71-8	204-419-1	0.020
VIII	96	[Phthalato(2-)]dioxotrilead(dibasic lead phthalate) **	69011-06-9	273-688-5	0.010
VIII	97	Acetic acid, lead salt, basic**	51404-69-4	257-175-3	0.010
VIII	98	Biphenyl-4-ylamine	92-67-1	202-177-1	0.020
VIII	99	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	214-604-9	0.020
VIII	100	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride-HHPA)	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	0.020
VIII	101	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	0.020
VIII	102	Dibutyltin dichloride(DBTC)	683-18-1	211-670-0	0.020

Batch	Code	Substance Name	CAS No.	EC No.	Report Limit (%)
VIII	103	Diethyl sulphate	64-67-5	200-589-6	0.020
VIII	104	Diisopentylphthalate(DIPP)	605-50-5	210-088-4	0.020
VIII	105	Dimethyl sulphate	77-78-1	201-058-1	0.020
VIII	106	Dinoseb	88-85-7	201-861-7	0.020
VIII	107	Dioxobis(stearato)trilead**	12578-12-0	235-702-8	0.010
VIII	108	Fatty acids, C16-18, lead salts**	91031-62-8	292-966-7	0.010
VIII	109	Furan	110-00-9	203-727-3	0.020
VIII	110	Henicosafluoroundecanoic acid	2058-94-8	218-165-4	0.020
VIII	111	Heptacosafluorotetradecanoic acid	376-06-7	206-803-4	0.020
VIII	112	Hexahydromethylphathalic anhy, Hexahydro-4-methylphathalic anhydride, Hexahydro-1-methylphathalic anhydride, Hexahydro-3-methylphathalic anhydride	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	247-094-1, 243-072-0, 256-356-4, 260-566-1	0.020
VIII	113	Lead bis(tetrafluoroborate) **	13814-96-5	237-486-0	0.010
VIII	114	Lead cynamidate**	20837-86-9	244-073-9	0.010
VIII	115	Lead dinitrate**	10099-74-8	233-245-9	0.010
VIII	116	Lead oxide(lead monoxide) **	1317-36-8	215-267-0	0.010
VIII	117	Lead oxide sulfate(basic lead sulfate) **	12036-76-9	234-853-7	0.010
VIII	118	Lead titanium trioxide**	12060-00-3	235-038-9	0.010
VIII	119	Lead Titanium Zirconium Oxide**	12626-81-2	235-727-4	0.010
VIII	120	Methoxy acetic acid	625-45-6	210-894-6	0.020
VIII	121	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	200-879-2	0.020
VIII	122	N,N-dimethylformamide; dimethyl formamide	68-12-2	200-679-5	0.020
VIII	123	N-methylacetamide	79-16-3	201-182-6	0.020
VIII	124	N-pentyl-isopentylphtalate	776297-69-9	--	0.020
VIII	125	o-aminoazotoluene	97-56-3	202-591-2	0.020
VIII	126	o-Toluidine; 2-Aminotoluene	95-53-4	202-429-0	0.020
VIII	127	Lead tetroxide(orange lead) **	1314-41-6	215-235-6	0.010

Batch	Code	Substance Name	CAS No.	EC No.	Report Limit (%)
VIII	128	Pentacosafluorotridecanoic acid	72629-94-8	276-745-2	0.020
VIII	129	Pentalead tetraoxide sulphate**	12065-90-6	235-067-7	0.010
VIII	130	Pyrochlore, antimony lead yellow**	8012-00-8	232-382-1	0.010
VIII	131	Silicic acid, barium salt, lead-doped**	68784-75-8	272-271-5	0.010
VIII	132	Silicic acid, lead salt**	11120-22-2	234-363-3	0.010
VIII	133	Sulfurous acid, lead salt, dibasic**	62229-08-7	263-467-1	0.010
VIII	134	Tetraethyllead**	78-00-2	201-075-4	0.010
VIII	135	Tetralead trioxide sulphate**	12202-17-4	235-380-9	0.010
VIII	136	Tricosafluorododecanoic acid	307-55-1	206-203-2	0.020
VIII	137	Basic lead carbonate(trilead bis(carbonate)dihydroxide) **	1319-46-6	215-290-6	0.010
VIII	138	Trilead dioxide phosphonate**	12141-20-7	235-252-2	0.010
IX	139	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chai n with a carbon number of 9 covalently bound in position 4 to phenol , ethoxylated covering UVCB- and well-defined substances, polymers and homologues]	--	--	0.020
IX	140	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	0.020
IX	141	Cadmium **	7440-43-9	231-152-8	0.010
IX	142	Cadmium oxide **	1306-19-0	215-146-2	0.010
IX	143	Dipentyl phthalate(DPP)	131-18-0	205-017-9	0.020
IX	144	Pentadecafluorooctanoic acid(PFOA)	335-67-1	206-397-9	0.020
X	145	Cadmium sulphide**	1306-23-6	215-147-8	0.010
X	146	Dihexyl phthalate	84-75-3	201-559-5	0.020
X	147	C.I. Direct Red 28	573-58-0	209-358-4	0.020
X	148	C.I. Direct Black 38	1937-37-7	217-710-3	0.020
X	149	2-imidazoline-2-thiol	96-45-7	202-506-9	0.020
X	150	Lead di(acetate)**	301-04-2	206-104-4	0.010
X	151	Trixylyl phosphate	25155-23-1	246-677-8	0.020

Batch	Code	Substance Name	CAS No.	EC No.	Report Limit (%)
XI	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	0.020
XI	153	Cadmium chloride**	10108-64-2	233-296-7	0.010
XI	154	Sodium perborate; perboric acid, sodium salt**	--	239-172-9/ 234-390-0	0.010
XI	155	Sodium peroxometaborate**	7632-04-4	231-556-4	0.010
XII	156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentyl phenol(UV-328)	25973-55-1	247-284-8	0.020
XII	157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol(UV-320)	3846-71-7	223-346-6	0.020
XII	158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3, 5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4	0.020
XII	159	Cadmium fluoride**	7790-79-6	232-222-0	0.010
XII	160	Cadmium sulphate**	10124-36-4/ 31119-53-6	233-331-6	0.010
XII	161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3, 5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2 -oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	--	--	0.020
XIII	162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters	68515-51-5, 68648-93-1	271-094-0 272-013-1	0.020
XIII	163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	--	--	0.020
XIV	164	1,3-propanesultone	1120-71-4	214-317-9	0.020
XIV	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol -2-yl)phenol(UV-327)	3864-99-1	223-383-8	0.020
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6 -(sec-butyl)phenol(UV-350)	36437-37-3	253-037-1	0.020

Batch	Code	Substance Name	CAS No.	EC No.	Report Limit (%)
XIV	167	Nitrobenzene	98-95-3	202-716-0	0.020
XIV	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3	0.020
XV	169	Benzo[def]chrysene(Benzo[a]pyrene)	50-32-8	200-028-5	0.020
XVI	170	4,4'-isopropylidenediphenol (Bisphenol A; BPA)	80-05-7	201-245-8	0.010
XVI	171	4-heptylphenol, branched and linear[substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB-and well-defined substance which include any of the individual isomers or acombination thereof]	--	--	0.050
XVI	172	Nonadecafluorodecanoic acid(PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	221-470-5 206-400-3 --	0.010
XVI	173	p-(1,1-Dimethylpropyl)phenol	80-46-6	201-280-9	0.010
XVII	174	Perfluorohexyl sulfonic acid and its salts (PFHxS)	355-46-4	206-587-1	0.050
XVIII	175	Dron [including all trans and cis isomers and combinations thereof]	13560-89-9 135821-74-8 135821-03-3	--	0.020
XVIII	176	Benzo (a) anthracene	56-55-3	200-280-6	0.020
XVIII	177	Cadmium carbonate**	513-78-0	208-168-9	0.010
XVIII	178	Cadmium hydroxide**	21041-95-2	244-168-5	0.010
XVIII	179	Cadmium nitrate**	10325-94-7	233-710-6	0.010
XVIII	180	Chrysene	218-01-9	205-923-4	0.020
XVIII	181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	--	--	0.020

Batch	Code	Substance Name	CAS No.	EC No.	Report Limit (%)
XIX	182	1,2,4-Benzenetricarboxylic anhydride (Trimellitic anhydride, TMA)	552-30-7	209-008-0	0.020
XIX	183	Benzo[g,h,i]perylene	191-24-2	205-883-8	0.020
XIX	184	Decamethylcyclopentasiloxane(D5)	541-02-6	208-764-9	0.020
XIX	185	Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	0.020
XIX	186	Disodium octaborate**	12008-41-2	234-541-0	0.010
XIX	187	Dodecamethylcyclohexasiloxane(D6)	540-97-6	208-762-8	0.020
XIX	188	Ethylenediamine(EDA)	107-15-3	203-468-6	0.020
XIX	189	Lead**	7439-92-1	231-100-4	0.010
XIX	190	Octamethylcyclotetrasiloxane(D4)	556-67-2	209-136-7	0.020
XIX	191	Terphenyl hydrogenated	61788-32-7	262-967-7	0.020
XX	192	1,7,7-trimethyl-3-(phenylmethylene)-bicyclo-[2.2.1]heptan-2-one	15087-24-8	239-139-9	0.020
XX	193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	0.020
XX	194	Benzo[k]fluoranthene	207-08-9	205-916-6	0.020
XX	195	Fluoranthene	206-44-0	205-912-4	0.020
XX	196	Phenanthrene	85-01-8	201-581-5	0.020
XX	197	Pyrene	129-00-0	204-927-3	0.020
XXI	198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	--	--	0.020
XXI	199	2-methoxyethyl acetate	110-49-6	203-772-9	0.020
XXI	200	4-tert-butylphenols	98-54-4	202-679-0	0.020
XXI	201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	--	--	0.020
XXII	202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	0.020
XXII	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	0.020
XXII	204	Diisohexyl phthalate	71850-09-4	276-090-2	0.020

Batch	Code	Substance Name	CAS No.	EC No.	Report Limit (%)
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts	--	--	0.020
XXIII	206	1-vinylimidazole	1072-63-5	214-012-0	0.020
XXIII	207	2-methylimidazole	693-98-1	211-765-7	0.020
XXIII	208	Butyl 4-hydroxybenzoate	94-26-8	202-318-7	0.020
XXIII	209	Dibutylbis(pentane-2,4-dionato-O,O') tin	22673-19-4	245-152-0	0.020
XXIV	210	Bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	205-594-7	0.020
XXIV	211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	--	--	0.020
XXV	212	Phenol, alkylation products (mainly in paraposition) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	--	--	0.020
XXV	213	Orthoboric acid, sodium salt**	--	--	0.010
XXV	214	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	--	--	0.020
XXV	215	Glutaral	111-30-8	203-856-5	0.020
XXV	216	4,4'-(1-methylpropylidene)bisphenol (bisphenol B)	77-40-7	201-025-1	0.020
XXV	217	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	--	--	0.020
XXV	218	2,2-bis(bromomethy)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis (bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0; 36483-57-5/ 1522-92-5; 96-13-9	221-967-7; 253-057-0; 202-480-9	0.020
XXV	219	1,4-dioxane	123-91-1	204-661-8	0.020

Batch	Code	Substance Name	CAS No.	EC No.	Report Limit (%)
XXVI	220	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	204-327-1	0.020
XXVI	221	Tris(2-methoxyethoxy)vinylsilane	1067-53-4	213-934-0	0.020
XXVI	222	(±)-1,7,7-trimethyl-3-[(4-methylphenyl) methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	--	--	0.020
XXVI	223	S-(tricyclo(5.2.1.0'2,6)deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	401-850-9	0.020
XXVII	224	N-(hydroxymethyl)acrylamide	924-42-5	213-103-2	0.020

Note:

1. mg/kg =ppm=10^{-6}
2. %=w/w
3. N.D. :< Report Limit
4. *The detected DHNUP are consisted of six phthalates which CAS number are 85507-79-5, 68515-44-6, 68515-45-7, 111381-89-6, 111381-90-9 and 111381-91-0. according to the Annex 15 of REACH.
5. ** According to the 5.2.1 item of the second version of ECHA “Guidance on requirements for substances in articles”, 2011, the selected test methods only show the existence of certain elements rather than the existence of substances, using additional measurements to screen for the existence and identification of substances in a sample when necessary.
6. Report Results: based on measurements in most cases will identify the chemical constituents in the sample but not necessarily “the substance” which were originally used to produce the article, professional consults, products information, testing processes, features of materials, characteristics of the SVHC and chemical analysis etc to obtain the assessments results according to the 5.2 item of the second version of ECHA “Guidance on requirements for substances in articles”, 2011.
7. Report Limit: Be obtained from the uncertainty, the 0.1 % threshold and the ECHA “Guidance on requirements for substances in articles”.

Appendix:

1. Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of European Union regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

1) Any supplier shall provide the recipient of the article with sufficient information to allow safe use of the article including, as a minimum, the name of that substance.

2) On request by a consumer any supplier shall provide the consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that substance within 45 days of receipt of the request, free of charge.

2. The supplier of a substance that is included in the Candidate List on their own shall provide the recipient of the substance with a safety data sheet for free compiled in accordance with Article 31 and Annex II of REACH.

3. The supplier of a mixture that containing a substance that is included in the Candidate List shall exchange information in accordance with Article 31, Article 32, and Annex II of REACH.

1) Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation meets the criteria for classification as dangerous in accordance with Directives 1999/45/EC.

2) Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation does not meet the criteria for classification as dangerous in accordance with Directive 1999/45/EC, but contains any substance that is included in the Candidate List in an individual concentration of ≥0.1 % by weight for non-gaseous mixtures or ≥ 0.2 % by volume for gaseous mixtures.

Photograph of Sample

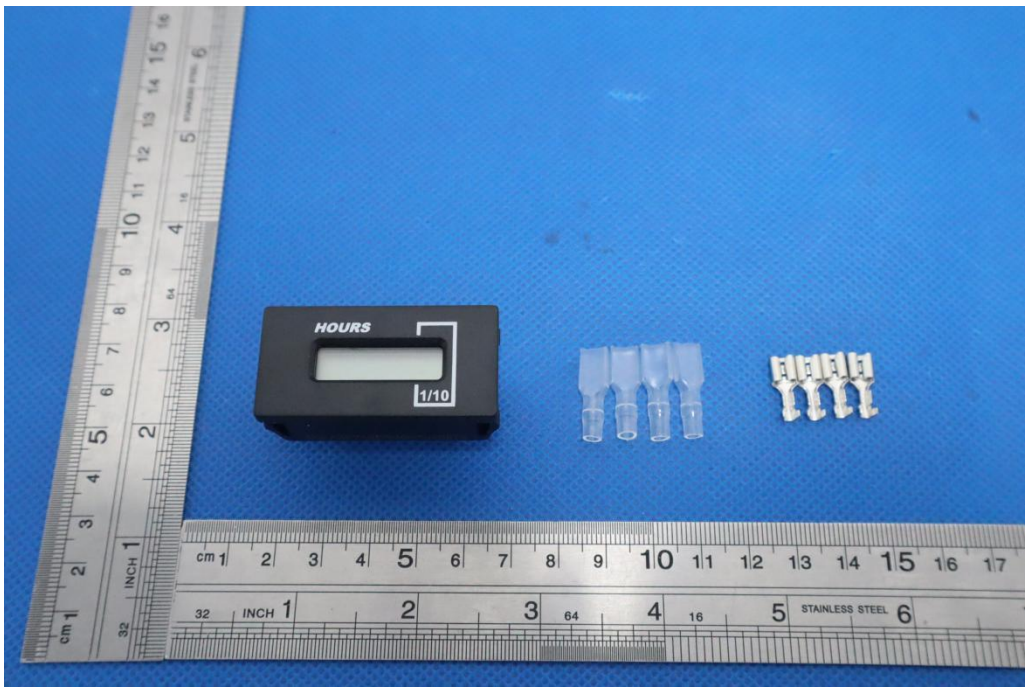

Fig.1

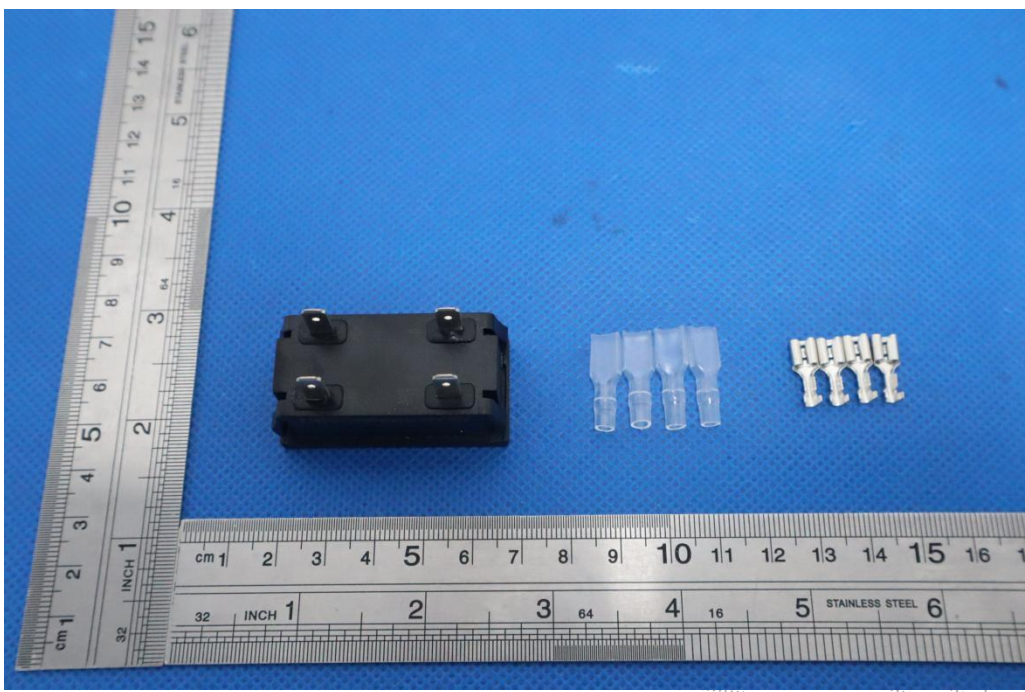

Fig.2

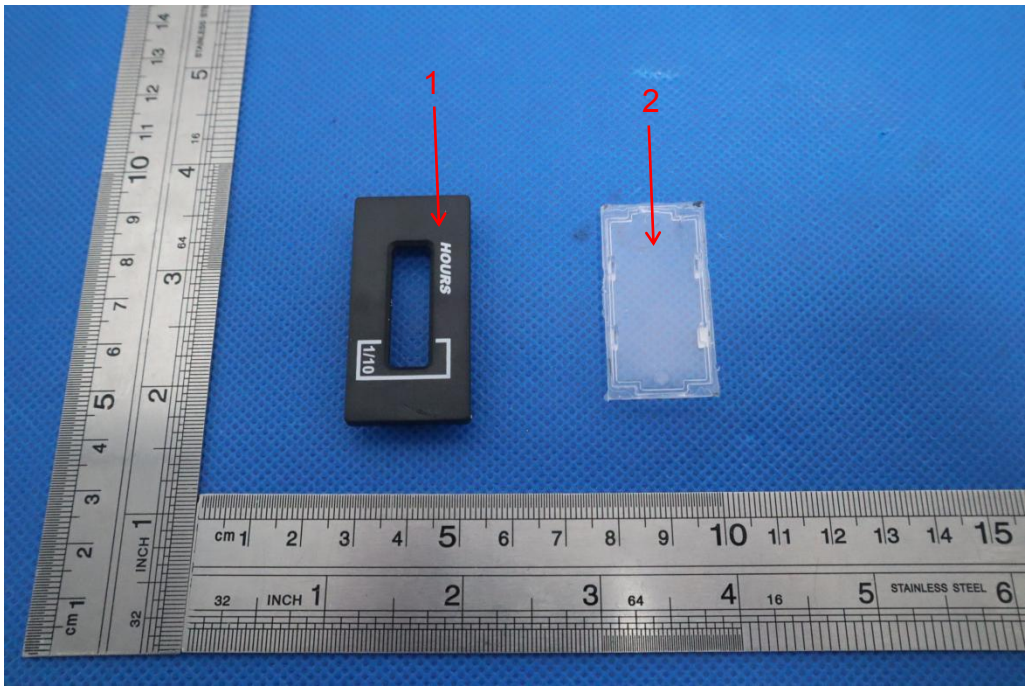

Fig.3

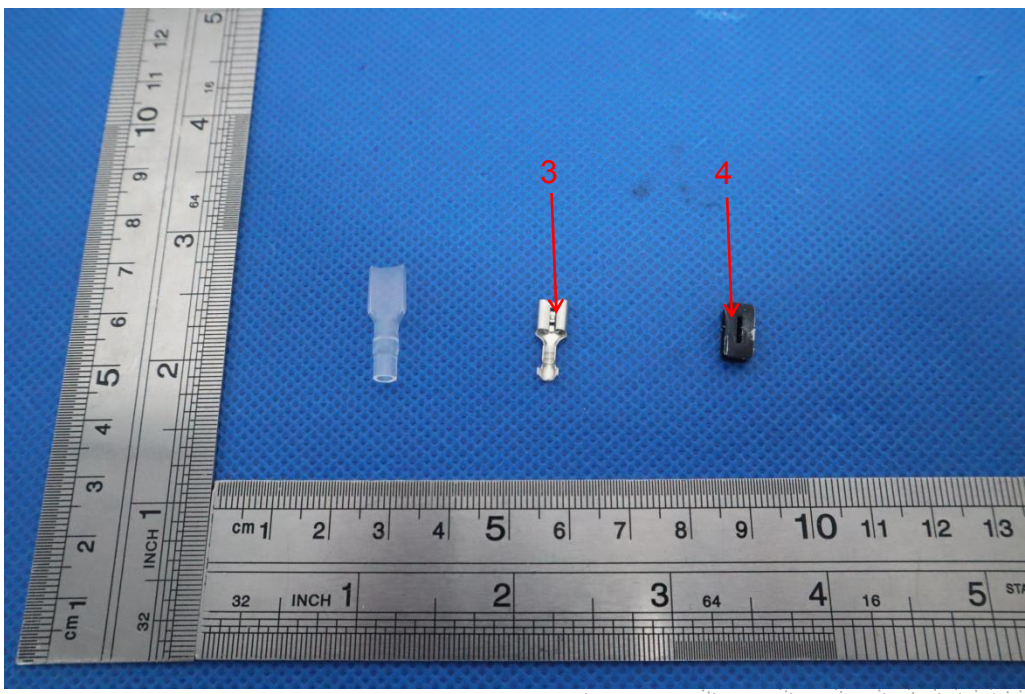

Fig.4

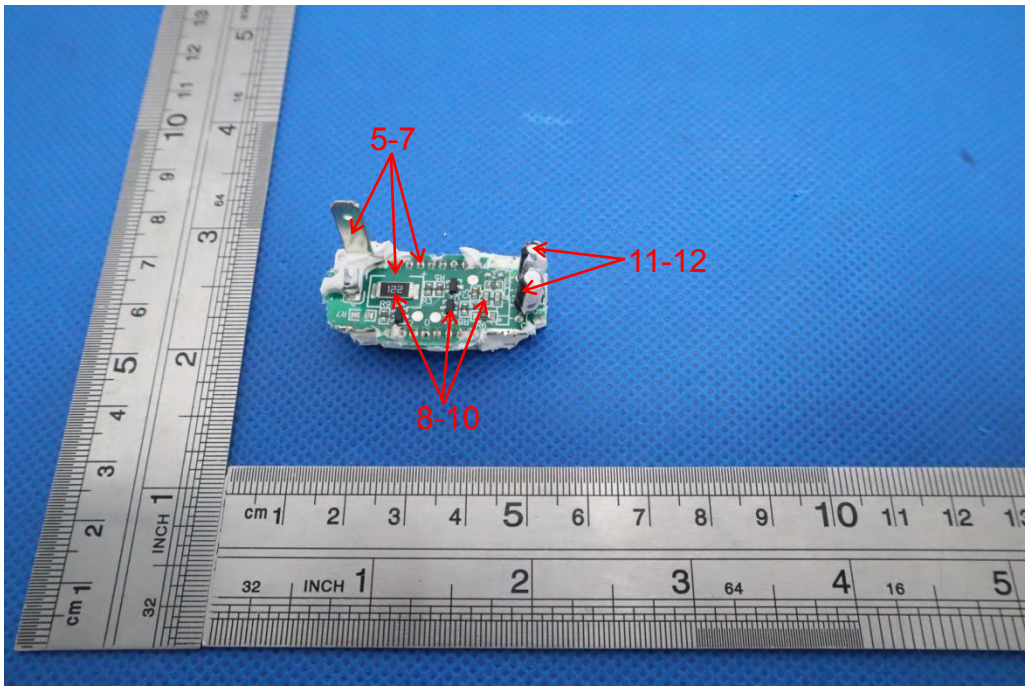

Fig.5

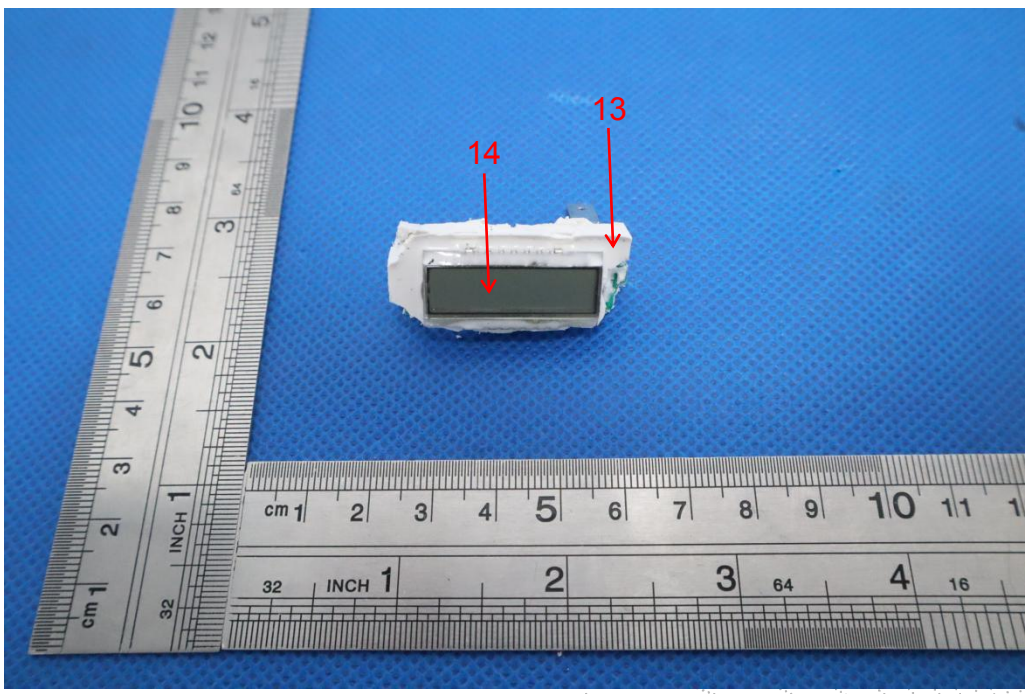

Fig.6

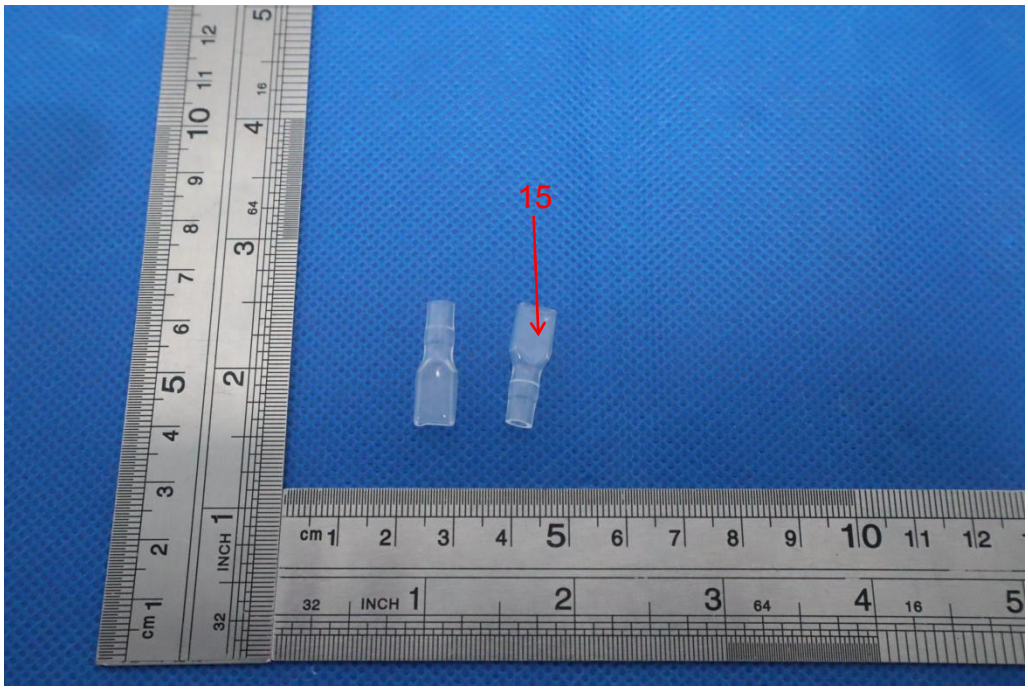

Fig.7

STATEMENT

1. The equipment lists are traceable to the national reference standards.

2. The test report can not be partially copied unless prior written approval is issued from our lab.

3. The test report is invalid without the "special seal for inspection and testing".

4. The test report is invalid without the signature of the approver.

5. The test process and test result is only related to the Unit Under Test.

6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.

7. The test report without CMA mark is only used for scientific research, teaching, enterprise product development and internal quality control purposes.

8. The quality system of our laboratory is in accordance with ISO/IEC17025.

9. If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

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