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Test Report

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Applicant DONGGUAN FANGSHENG ELECTRONIC.,LTD.
G H 8 - 9 - . / : ; < = > ? @ A B C D E2F
Address Building 2 ,BaiDai Industrial Park,ChangPing Village DaoJiaoTown I DongGuan City

J K ! L M N O P N O Q R S) * T U V W X Y
The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client

N O Z [	\ ] ^ _ `
Sample Name	LCD
N O a %	FTP0053TP01
Part No.	FTP0053TP01
f g Z [	b c d e
Material	b c d e
N O h i j k	2019.03.14
Sample Received Date	Mar. 14, 2019
N O ! j k	2019.03.14-2019.03.21
Testing Period	Mar. 14, 2019 to Mar. 21, 2019

! l m n o p q l m , r s t u (EC) No 1907/2006(REACH), v w U x N O y 197 z { [} ~
(SVH}c (.5 Tc (,) Tj0.4746 Tc (a)Tj0[4.02232 Tc (t04464 Tc (a)87|o06 Tcq464 /hu0.04464 Tc (S
Sampl19202 0

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! % & **Test Result(s)**

4 M Batch	N % No.	~ • Z [Substance Name(s)	CAS % CAS No.	EC % EC No.	+ , Concentration (%)	" # O 5 Report Limit
I	1	P Anthracene	120-12-7	204-371-1	N.D.	0.005%
I	2	4,4'- D Q R D S R T U 4,4'- Diaminodiphenylmethane	101-77-9	202-974-4	N.D.	0.005%
I	3	V S D T W D X Y Dibutyl phthalate(DBP)	84-74-2	201-557-4	N.D.	0.005%
I	4	D Z [\ Cobalt dichloride*	7646-79-9	231-589-4	N.D.	0.01%
I	5	] ^ [D _ Diarsenic pentaoxide*	1303-28-2	215-116-9	N.D.	0.01%
I	6	` ^ [D _ Diarsenic trioxide*	1327-53-3	215-481-4	N.D.	0.01%
I	7		7789-12-0	234-190-3	N.D.	0.01%
I	8		[illegible]	201-329-4	N.D.	0.005%

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4 M Batch	N % No.	~ • Z [Substance Name(s)	CAS % CAS No.	EC % EC No.	+ , Concentration (%)	" # O 5 Report Limit
II	18	① P t , P u , P w) Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	N.D.	0.05%
II	19	① P t , x P y z Anthracene oil, anthracene-low	90640-82-7	292-604-8	N.D.	0.05%
II	20	① P t , P u Anthracene oil, anthracene paste	90640-81-6	292-603-2	N.D.	0.05%
II	21	① { | t } ~ , { • Coal tar pitch, high temperature	65996-93-2	266-028-2	N.D.	0.05%
II	22	Acrylamide	79-06-1	201-173-7	N.D.	0.01%
II	23	2,4- D R T S 2,4-Dinitrotoluene	121-14-2	204-450-0	N.D.	0.01%
II	24	V S D T W D X Y Diisobutyl phthalate (DIBP)	84-69-5	201-553-2	N.D.	0.005%
II	25	② b W r Lead chromate	7758-97-6	231-846-0	N.D.	0.05%
II	26	② b (C.I. g 104) Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	12656-85-8	235-759-9	N.D.	0.05%
II	27	② r b (C.I. g 34) Lead sulfochromate yellow(C.I. Pigment Yellow 34)***	1344-37-2	215-693-7	N.D.	0.05%
II	28	W ` (2- Z f R) Y Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	204-118-5	N.D.	0.01%
III	29	` Z f Trichloroethylene	79-01-6	201-167-4	N.D.	0.005%
III	30	W Boric acid*	10043-35-3 11113-50-1	233-139-2 234-343-4	N.D.	0.01%
III	31	② W c I Disodium tetraborate, anhydrous*****	1330-43-4 12179-04-3 1303-96-4	215-540-4	N.D.	0.01%
III	32	② W c I ~ Tetraboron disodium heptaoxide, hydrate*****	12267-73-1	235-541-3	N.D.	0.01%
III	33	b W c Sodium chromate*	7775-11-3	231-889-5	N.D.	0.01%

4 M Batch	N % No.	~ • Z [Substance Name(s)	CAS% CAS No.	EC% EC No.	+ , Concentration (%)	" # O 5 Report Limit
III	34	b W Potassium chromate*	7789-00-6	232-140-5	N.D.	0.01%
III	35	a b W Ammonium dichromate*	7789-09-5	232-143-1	N.D.	0.01%
III	36	a b W Potassium dichromate*	7778-50-9	231-906-6	N.D.	0.01%
IV	37	W \ Cobalt(ll) sulphate*	10124-43-3	233-334-2	N.D.	0.01%
IV	38	W \ Cobalt(ll) dinitrate*	10141-05-6	233-402-1	N.D.	0.01%
IV	39	W \ Cobalt(ll) carbonate*	513-79-1	208-169-4	N.D.	0.01%
IV	40	W \ Cobalt(ll) diacetate*	71-48-7	200-755-8	N.D.	0.01%
IV	41	f D + T 2-Methoxyethanol	109-86-4	203-713-7	N.D.	0.005%
IV	42	f D + f 2-Ethoxyethanol	110-80-5	203-804-1	N.D.	0.005%
IV	43	` ^ [b Chromium trioxide*	1333-82-0	215-607-8	N.D.	0.01%
IV	44	① ` ^ [b W J P ~ b W a b W b W a b W ~ Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid*	7738-94-5 13530-68-2	231-801-5 236-881-5	N.D.	0.01%
V	45	f D f f W Y 2-ethoxyethyl acetate	111-15-9	203-839-2	N.D.	0.01%
V	46	b W Strontium chromate*	7789-06-2	232-142-6	N.D.	0.01%
V	47	① 1,2- S D W - D (C7-11 m m) U R ( ) Y 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	271-084-6	N.D.	0.01%
V	48	Hydrazine	7803-57-8 302-01-2	206-114-9	N.D.	0.01%
V	49	N- T R U 1-methyl-2-pyrrolidone	872-50-4	212-828-1	N.D.	0.01%
V	50	1 I 2 I 3- ` Z U 1,2,3-trichloropropane	96-18-4	202-486-1	N.D.	0.01%

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4 M Batch	N % No.	~ • Z [Substance Name(s)	CAS % CAS No.	EC % EC No.	+ , Concentration (%)	" # O 5 Report Limit
		① V S D T W D C6-8 m U R Y C7 ?				
V	51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	276-158-1	N.D.	0.01%
VI	52	b W b Dichromium tris(chromate)*	24613-89-6	246-356-2	N.D.	0.01%
VI	53	q ^ [b W Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	234-329-8	N.D.	0.01%
VI	54	q ^ [b W Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	N.D.	0.01%
VI	55	② W Aluminosilicate Refractory Ceramic Fibres (RCF) **	-	-	N.D.	0.05%
VI	56	② ^ [W Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) **	-	-	N.D.	0.05%
VI	57	① T S (~ Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	N.D.	0.01%
VI	58	V S D T W D T ^ R f Y Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	N.D.	0.005%
VI	59	2-T ^ R S (V T ^ R S) 2-Methoxyaniline (o-Anisidine)	90-04-0	201-963-1	N.D.	0.005%
VI	60	4-(1,1,3,3- T R X R) S (Z v R S) 4-(1,1,3,3-tetramethylbutyl) phenol (4-tert-Octylphenol)	140-66-9	205-426-2	N.D.	0.005%
VI	61	1,2- D Z f U 1,2-Dichloroethane	107-06-2	203-458-1	N.D.	0.005%

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VI	62	(2-T ^ R f R) (Z D f D D T) Bis(2-methoxyethyl) ether	111-96-6	203-924-4	N.D.	0.005%
VI	63	_ W Arsenic acid*	7778-39-4	231-901-9	N.D.	0.01%
VI	64	_ W Calcium arsenate*	7778-44-1	231-904-5	N.D.	0.01%
VI	65	_ W r Trilead diarsenate*	3687-31-8	222-979-5	N.D.	0.01%
VI	66	N,N-D T R f N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	N.D.	0.005%
VI	67	4,4'- T R (2-Z S) 2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	N.D.	0.005%
VI	68	Phenolphthalein	77-09-8	201-004-7	N.D.	0.005%
VI	69	[r Lead diazide*	13424-46-9	236-542-1	N.D.	0.01%
VI	70	2,4,6-` R S D r (Z i W r) Lead 2,4,6-trinitro-m-phenylene dioxide (Lead styphnate)*	15245-44-0	239-290-0	N.D.	0.01%
VI	71	W r Lead dipicrate*	6477-64-1	229-335-2	N.D.	0.01%
VII	72	1,2-D (2-T ^ R f ^ R) f U 1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	203-977-3	N.D.	0.01%
VII	73	f D D T 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	N.D.	0.01%
VII	74	` ^ [D Diboron trioxide*	1303-86-2	215-125-8	N.D.	0.01%
VII	75	T Formamide	75-12-7	200-842-0	N.D.	0.01%
VII	76	T R W r Lead(II) bis methanesulfonate*	17570-76-2	401-750-5	N.D.	0.01%
VII	77	W ` t TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	219-514-3	N.D.	0.01%

4 M Batch	N % No.	~ • Z [Substance Name(s)	CAS % CAS No.	EC % EC No.	+ , Concentration (%)	" # O 5 Report Limit
VII	78	W β- ` t Y 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	N.D.	0.01%
VII	79	4,4'- D (N,N- D T Q R) D S T ( ) 4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	202-027-5	N.D.	0.01%
VII	80	4,4'-(v D T Q R) D S R T U ( ) N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	N.D.	0.01%
VII	81	C.I. 3 [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	N.D.	0.01%
VII	82	C.I. 26 [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	N.D.	0.01%
VII	83	C.I. 4 α,α-Bis[4-(dimethylamino) phenyl]-4(phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4)***	6786-83-0	229-851-8	N.D.	0.01%
VII	84	α, α- D [(D T Q R) S R]-4- T Q R S T 4,4'-bis(dimethylamino)-4"-(methylamino)trityl alcohol	561-41-1	209-218-2	N.D.	0.01%

4 M Batch	N % No.	~ • Z [Substance Name(s)	CAS % CAS No.	EC % EC No.	+ , Concentration (%)	" # O 5 Report Limit
VIII	85	k i D S Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9	N.D.	0.05%
VIII	86	①4- R ,) R , x 4 9 U R m w 4) w 4 x 4) 9 U R m UVCB ~ • 4-Nonylphenol, branched and linear *[substances with a linear and/or branched alkyl 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]*	-	-	N.D.	0.05%
VIII	87	! D T Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	N.D.	0.05%
VIII	88	v R S f ^ R 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated *[covering well-defined substances and UVCB substances, polymers and homologues]*	-	-	N.D.	0.05%
VIII	89	" # k $ U W Henicosafluoroundecanoic acid	2058-94-8	218-165-4	N.D.	0.05%
VIII	90	" # k ` W Pentacosafluorotridecanoic acid	72629-94-8	276-745-2	N.D.	0.05%

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VIII	91	h q V S D T W %, & '-h q V S D T W %, ('-h q V S D T W % Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	N.D.	0.05%
VIII	92	T R h q S %, 4-T R h q S %, 1-T R h q [V S D T W %, 3-T R h q S D T Y % Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic 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	N.D.	0.05%
VIII	93	" # k W Heptacosafluorotetradecanoic acid	376-06-7	206-803-4	N.D.	0.05%
VIII	94	V S D T W D) Y Diisopentylphthalate(DIPP)	605-50-5	210-088-4	N.D.	0.05%
VIII	95	① m m 1,2-S D * D) Y 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	N.D.	0.05%
VIII	96	V S D T W +) R) R Y N-pentyl-isopentylphthalate	776297-69-9	--	N.D.	0.05%
VIII	97	T ^ R f W Methoxyacetic acid	625-45-6	210-894-6	N.D.	0.05%
VIII	98	" # k D U W Tricosafluorododecanoic acid	307-55-1	206-203-2	N.D.	0.05%

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VIII	99	f D D f 1,2-Diethoxyethane	629-14-1	211-076-1	N.D.	0.05%
VIII	100	3-f R-2-T R-2-(3-T R X R) , - U 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	N.D.	0.05%
VIII	101	2,4-D Q R T S 4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1	N.D.	0.05%
VIII	102	N-T R f N-methylacetamide	79-16-3	201-182-6	N.D.	0.05%
VIII	103	^ [r W r . ~ Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	N.D.	0.01%
VIII	104	4-Q R / S Biphenyl-4-ylamine	92-67-1	202-177-1	N.D.	0.05%
VIII	105	G 0 Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	N.D.	0.05%
VIII	106	(k 1 W R) D ^ @ ` r Dioxobis(stearato)trilead*	12578-12-0	235-702-8	N.D.	0.01%
VIII	107	W r Lead dinitrate*	10099-74-8	233-245-9	N.D.	0.01%
VIII	108	` ' W r Tetralead trioxide sulphate*	12202-17-4	235-380-9	N.D.	0.01%
VIII	109	^ [r Lead monoxide (lead oxide)*	1317-36-8	215-267-0	N.D.	0.01%
VIII	110	2 W r Lead titanium trioxide*	12060-00-3	235-038-9	N.D.	0.01%
VIII	111	4,4'-D Q R-3,3'-D T R D S T U 4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	N.D.	0.05%
VIII	112	' f W r Acetic acid, lead salt, basic*	51404-69-4	257-175-3	N.D.	0.01%
VIII	113	W D T Y Dimethyl sulphate	77-78-1	201-058-1	N.D.	0.05%
VIII	114	3 4 Furan	110-00-9	203-727-3	N.D.	0.05%
VIII	115	g 41 Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	N.D.	0.01%
VIII	116	f R r Tetraethyllead*	78-00-2	201-075-4	N.D.	0.01%

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VIII	117	D 5 R V S D T W r [Phthalato(2-)]dioxotrilead*	69011-06-9	273-688-5	N.D.	0.01%
VIII	118	W D f Y Diethyl sulphate	64-67-5	200-589-6	N.D.	0.05%
VIII	119	Q R r 5 Lead cyanamidate*	20837-86-9	244-073-9	N.D.	0.01%
VIII	120	6 7 r W 8 Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped*	68784-75-8	272-271-5	N.D.	0.01%
VIII	121	W ^ [r Trilead dioxide phosphonate*	12141-20-7	235-252-2	N.D.	0.01%
VIII	122	V T R S *o*-Toluidine	95-53-4	202-429-0	N.D.	0.05%
VIII	123	V Q R ! T S *o*-aminoazotoluene	97-56-3	202-591-2	N.D.	0.05%
VIII	124	4- v Q R ! S 4-aminoazobenzene	60-09-3	200-453-6	N.D.	0.05%
VIII	125	6- T ^ R - T S 6-methoxy-*m*-toluidine (*p*-cresidine)	120-71-8	204-419-1	N.D.	0.05%
VIII	126	D X R D Z [p Dibutyltin dichloride (DBTC)*	683-18-1	211-670-0	N.D.	0.05%
VIII	127	2 W r Lead titanium zirconium oxide*	12626-81-2	235-727-4	N.D.	0.01%
VIII	128	j ^ U Methyloxirane (Propylene oxide)	75-56-9	200-879-2	N.D.	0.05%
VIII	129	1- i @ + U 1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	N.D.	0.05%
VIII	130	' W r Trilead bis(carbonate)dihydroxide*	1319-46-6	215-290-6	N.D.	0.01%
VIII	131	C16-18- 9 W r 5 Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	N.D.	0.01%
VIII	132	^ [` r Orange lead (lead tetroxide)*	1314-41-6	215-235-6	N.D.	0.01%
VIII	133	D ' W r (II) Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	N.D.	0.01%

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		C.I. h I 38 Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)-2-naphthalenesulphonate	1937-37-7	217-710-3		

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XII	157	2-(2'- L R -3',5'- D K X R S R)- S W ` - 2-Benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	N.D.	0.01%
XII	158	D + R - (M f W 2- f R g Y) p 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)*	15571-58-1	239-622-4	N.D.	0.05%
XII	159	# [: Cadmium fluoride*	7790-79-6	232-222-0	N.D.	0.01%
XII	160	W : Cadmium sulphate*	10124-36-4 31119-53-6	233-331-6	N.D.	0.01%
		① D + R - (M f W 2- f R g Y) p (DOTE) ` (2- f R g R M R f W) p (MOTE) (N				
XII	161	~ g 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)*	-	-	N.D.	0.05%
XIII	162	① 1,2- S D * W , D -C6-10- U R Y O P R I g R I R Y 1,2- S D T W . ~ I E V S D T W D g Y x y ≥0.3% (EC No. 201-559-5) 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201- 559-5)	68515-51-5 68648-93-1	271-094-0 272-013-1	N.D.	0.05%

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Test Report

4 M Batch	N % No.	~ • Z [Substance Name(s)	CAS % CAS No.	EC % EC No.	+ , Concentration (%)	" # O 5 Report Limit
XIII	163	①5- Q X R -2-(2,4- D T R j g -3- -1- R)-5- T R -1,3- D R U [1] I 5- D S X R -2-(4,6- D T R j g -3- -1- R)-5- T R -1,3- D R U [2] [F G [1] [2] T E F T H + E F G H] U V W P E J P X ~ 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 stereoisomers of [1] and [2] or any combination thereof]	-	-	N.D.	0.05%
XIV	164	R S Nitrobenzene	98-95-3	202-716-0	N.D.	0.01%
XIV	165	2,4- D - K X R -6-(5- Z -2H- S W ` - -2- R) S 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	N.D.	0.01%
XIV	166	2-(2'- L R -3'- X R -5'- K X R S R) S W ` - 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	253-037-1	N.D.	0.01%
XIV	167	1,3- U Y Y 1,3-propanesultone	1120-71-4	214-317-9	N.D.	0.01%
XIV	168	" # W P E c 5 Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3	N.D.	0.01%
XV	169	S W (a) Z Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	200-028-5	N.D.	0.01%

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Test Report

4 M **Batch**	N % **No.**	~ • Z [**Substance Name(s)**	**CAS% CAS No.**	**EC% EC No.**	+ , **Concentration (%)**	" # O 5 **Report Limit**
XVI	170	A (BPA) 4,4'-isopropylidenediphenol (bisphenol A; BPA)	80-05-7	201-245-8	N.D.	0.01%
XVI	171	" # [W(PFDA) P E c 5 5 Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	221-470-5 206-400-3 -	N.D.	0.01%
XVI	172	4-(1,1-D T R R) S (Z v K) R S) *p*-(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	N.D.	0.01%
		① m m 4-\ R (m / m ; 4 7 < 3 U R m (= > ? 4 , S I @ A UVCB B C c X ~ • I E y F G + / H) 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 substances which include any of the individual isomers or a combination thereof]	-	-	N.D.	0.05%
XVII	174	" # g R W P E 5 Perfluorohexane-1-sulphonic acid and its salts	-	-	N.D.	0.0005%
XVIII	175	] ^ _ (E w 4 (' & ' P E H) Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)	-	-	N.D.	0.01%

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Test Report

4 M Batch	N % No.	~ • Z [Substance Name(s)	CAS % CAS No.	EC % EC No.	+ , Concentration (%)	" # O 5 Report Limit
XVIII	176	S W [a] P Benzo[a]anthracene	56-55-3 1718-53-2	200-280-6	N.D.	0.01%
XVIII	177	W : Cadmium nitrate*	10325-94-7 10022-68-1	233-710-6	N.D.	0.01%
XVIII	178	W : Cadmium carbonate*	513-78-0	208-168-9	N.D.	0.01%
XVIII	179	q ^ [: Cadmium hydroxide*	21041-95-2	244-168-5	N.D.	0.01%
XVIII	180	蕗Chrysene	218-01-9 1719-03-5	205-923-4	N.D.	0.01%
		③1,3,4- ` D - U -2,5- D I T 4- \ R S m m (RP-HP) (N ~ [4- \ R S I m m x y ≥0.1% w/w] Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear				

Tj 12c (n) Tj 0.0446 4 Tc 0.86 Tc (h) Tj 4 Tc 4 Tc (6) Tj 0.0446 4 Tc (a) Tj 0.18 Tc Tj 2.46 Tc (d) Tj 0.0446 4

4 M Batch	N % No.	~ • Z [Substance Name(s)	CAS % CAS No.	EC % EC No.	+ , Concentration (%)	" # O 5 Report Limit
XIX	189	f D Ethylenediamine (EDA) b S ` W %	107-15-3	203-468-6	N.D.	0.01%
XIX	190	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	209-008-0	N.D.	0.01%
XIX	191	V S D T W D j g Y Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	N.D.	0.01%
XX	192	4,4'-(1,3- D T R X R) D S 2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	N.D.	0.01%
XX	193	S W [k] c P Benzo[k]fluoranthene	207-08-9	205-916-6	N.D.	0.01%
XX	194	c P Fluoranthene	206-44-0	205-912-4	N.D.	0.01%
XX	195	d Phenanthrene	85-01-8	201-581-5	N.D.	0.01%
XX	196	Z Pyrene	129-00-0	204-927-3	N.D.	0.01%
XX	197	1,7,7- ` T R -3-(S T R) j [2,2,1] \ -2- 1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one	15087-24-8	239-139-9	N.D.	0.01%

! $ o **Test Method:**

r e US EPA 3052:1996, US EPA 3050B:1996, US EPA 3060A:1996, US EPA 3550C:2007, US EPA 3540C:1996, ISO 17353:2004(E), EN 14582:2016 ! N O f g < (

Refer to US EPA3052:1996, US EPA 3050B:1996, US EPA3060A:1996, US EPA 3550C:2007, US EPA 3540C:1996, ISO 17353:2004(E), EN 14582:2016 for sample pretreatment.

h i ICP-OES, UV-Vis, IC, HPLC, GC-MS, GC-MS(NCI), GC-FID, Headspace-GCMS P LC-MS-MS) * (

Analyzed by ICP-OES, UV-Vis, IC, HPLC, GC-MS, GC-MS(NCI), GC-FID, Headspace-GCMS and LC-MS-MS.

! L N O/j , k l b c d e

Tested Sample/Part Description Transparent glass

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Test Report

} m **Note:**

1. w/w % = a y ?) n weight by weight; 0.1% = 1000mg/kg = 1000ppm
2. N.D. = o O Not Detected (. / " # O 5 <report limit)
3. *: p ~ • + , q r S ~ • y s t u ! L % & v w x y (Concentration value of the substance by the conversion from the test results of certain elements.
   ` X R ^ [ p (TBTO) D X R D Z [ p (DBTC) D + R- (M f W 2- f R g Y) p (DOTE) D + R- (M f W 2- f R g Y) p (DOTE) ` (2- f R g R M R f W) p (MOTE) (N ~ g + , q r S E B [~ (` X R p (TBT) D X R p (DBT) D R p (DOT) + R p (MOT)) % & v w x y (
   Concentration value of Bis(tributyltin)oxide(TBTO), Dibutyltin dichloride (DBTC), 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE), 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) by the conversion from the test results of certain compounds(Tributyl Tins(TBT), Dibutyl Tins(DBT), Dioctyl Tins(DOT), Monooctyl Tins(MOT)).
4. **: ? [z ~ • P E X ~) I { | } t u I ~ CLP t u (t u (EC)No 1272/2008) • 录VI y I 索引 % 650-017-00-8 适 i / w 4 f g (All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex VI of the Regulation on Classification, Labeling and Packaging of chemical substances and mixtures, the so called CLP Regulation(Regulation (EC) No 1272/2008).
5. ***:C.I.: g 索引 % Colour Index
6. ****:蒸 w w) 离 O y v t j) Light fractions from distillation
7. *****: W c I W c , ~ + , - S W c + , 表 _ ,没 4 e 虑 %] (J W c , ~ ; J W c 5 J W c , + , - S J W c + , 表 _ ,没 4 e 虑 %] (
   Concentration value of Disodium tetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate is evaluated by Disodium tetraborate, with no consider of the hydrate. Concentration value of Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate is evaluated by Sodium perborate, with no consider of the hydrate.
8. : T S (~ + , q r S E B [~ (2,4- D Q R D S T U 4,4'- D Q R D S R T U 2,6- D Q R D S T U) % & v w x y (Concentration value of Formaldehyde, oligomeric reaction products with aniline (technical MDA) by the conversion from the test results of certain compounds (2,4-Diaminodiphenylmethane, 4,4'- Diaminodiphenylmethane, 2,6-Diaminodiphenylmethane).
9. ①: S / 这些 ~ • r UVCB ~ • (o 知成) 可变成) I . 7 (N ~ ~ f g ~ •) I S 各 z 不成) H 成 I w J 这些 ~ • ! L % & r S # B ; 4 @ 表 ~ • 1 l H 成成) ! L % & v w x y (In view of the substances are established as UVCB substances(substances of unknown or variable

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Test Report

10. ②:S / 此 ~ • x 4 多 z ~ • I ! L % & r R / 此 ~ • y 最 ; 4 @ 表　1 l H 成 [　~　x y I E 1 l H 成 [　~　! L % & r R /　s t u　+ , v w x y (In view of the substance contain variable substances, the test results are calculated based on main constituents of the representative compounds for the substances, and the test results of the representative compounds are calculated based on the result of specified heavy metal elements.
11. ③: p ~ • r UVCB ~ • (o 知成)　可变成)　I . 7 (N ~　~ f g　~ •) I S 各 z 不　成) H 成 I E ! L % & J 4- \ R S　I　m　m ! L % &　现 I 当 4- \ R S　I　m　m x y ≥0.1% w/w 时 I v / p ~ • r 否存 ? / N O y 需 3 查相 N ~ g　MSDS　向 V N 商　! X Y (
The substance is established as UVCB substance (substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test result is calculated based on 4-heptylphenol, branched and linear. When the content of 4-heptylphenol, branched and linear is equal to or higher than 0.1% (w/w), the presence of the substance in the sample need to be further confirmed by checking MSDS or requesting from suppliers.

备 } **Remark:**

本 " # y　数 o % & V 科研　教 z　企 B Y j • y 控制　企 B　O 研发等目　i (

The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

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Test Report

• 加 Q R **Appendix:**

1. n o 欧盟REACH t u $ % 1907/2006 & 33条款 M u B I ~ O O 如 & x 4 候 # 列表上 { , | } ~ • 且 ? ~ O y • y ?) n 超 J 0.1%时 I ~ O V N 0 需履 ! 相 | Q R 传递 C 务:
   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) ~ O V N 0 N U V 给 h i 0 | / O 足够 Q R J X 保 ~ O F " 使 i I 至 z 需 U V w x { , | } ~ • Z [(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) N 消费 T * m I ~ O V N 0 N ? 45天 Y 免费 U V | / O 足够 Q R J X 保 ~ O F " 使 i I 至 z 需 U V w x { , | } ~ • Z [(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. n o 欧盟REACH t u $ % 1907/2006 & 31条款 P • 件2 M u B I U V { , | } ~ • ~ • O V N 0 I N 免费 U V h i 0 p ~ • F " 数 o 表 (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 3 and Annex II of REACH.
3. n o 欧盟REACH t u $ % 1907/2006 & 31 32条款 P • 件2 M u B I U V x 4 { , | } ~ • X ~ O V N 0 需传递相 | Q R:
   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) 如 & X ~ O 按 s 1999/45/EC被判 B 为危险 O 时 I V N 0 N 免费 U V O F " 数 o 表 (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) 如 & X ~ O 按 s 1999/45/EC判 B W 非危险 O I 但 r F $ { , | } ~ • ? 非气 X ~ y • y) 数超 J 0.1% ? 气 X ~ y 积) 数超 J 0.2% I V N 0 也 N 免费 U V O F " 数 o 表 (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.

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Test Report

！流程**Test Process**

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Sample cutting

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Weigh sample

N O制备
Sample preparation

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Data

仪器) *
Instrumental analysis

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Test Report

N O 图片

Photo(s) of the sample(s)

*** " # % 束***

*** End of Report ***

声 c Statement

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The sample(s) and sample information was/were provided by the client who should be responsible for the authenticity which CTI hasn’t verified;

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