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SHENZHEN RUNLITE TECHNOLOGY CO.,LTD

BUILDING A15, TANTOU THE 4TH INDUSTRIAL ESTATE, SONGGANG TOWN, Address

BAOAN DISTRICT, SHENZHEN, CHINA

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client

Sample Name **COB LED-Ceramic**

Part No. 1515

Client Reference 2017, 1512, 1919, 1313, 2424, 2828, 3838

Information

Sample Received Date Jan. 29, 2019

Testing Period Jan. 29, 2019 to Feb. 18, 2019

As specified by client, to screen the 197 substances of very high concern(SVHC) under **Test Requested**

Regulation (EC) No 1907/2006 of REACH in the submitted sample(s).

Test Method Please refer to the following page(s).

Test Result(s) Please refer to the following page(s).

Summary According to the analytical results, concentrations of 197 SVHC substances are all less

than 0.1% (w/w) in the submitted sample(s).

Tested by

Reviewed by

Date

Cathy Huang

Hill Zheng

echnical Manager

Feb. 18, 2019

No. R158926477

mational Group Co.,Ltd.

CTI Building Wing Borg Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China



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Test Result(s)

Batch	No.	Substance Name(s)	CAS No.	EC No.	Concentration	Report
					(%)	Limit
I	1	Anthracene	120-12-7	204-371-1	N.D.	0.005%
I	2	4,4'- Diaminodiphenylmethane	101-77-9	202-974-4	N.D.	0.005%
I	3	Dibutyl phthalate(DBP)	84-74-2	201-557-4	N.D.	0.005%
I	4	Cobalt dichloride*	7646-79-9	231-589-4	N.D.	0.01%
I	5	Diarsenic pentaoxide*	1303-28-2	215-116-9	N.D.	0.01%
Ι	6	Diarsenic trioxide*	1327-53-3	215-481-4	N.D.	0.01%
I	7	Sodium dichromate*	7789-12-0	234-190-3	N.D.	0.01%
1	,	Sodium dicinomate	10588-01-9	234-190-3	N.D.	0.01%
Ι	8	Musk xylene	81-15-2	201-329-4	N.D.	0.005%
I	9	Bis(2-ethyl(hexyl)phthalate)(DEHP)	117-81-7	204-211-0	N.D.	0.005%
			25637-99-4			
I	10	Hexabromocyclododecane (HBCDD)	3194-55-6	247-148-4	ND	0.0050/
1	10	Hexabioinocyclododecane (HBCDD)	(134237-50-6)	221-695-9	N.D.	0.005%
			(134237-51-7) (134237-52-8)			
I	11	ShortChain Chlorinated	85535-84-8	287-476-5	N.D.	0.01%
1	11	Paraffins(SCCPs)	03333-04-0	287-470-3	N.D.	0.01%
Ι	12	Bis(tributyltin)oxide (TBTO)*	56-35-9	200-268-0	N.D.	0.005%
I	13	Lead hydrogen arsenate*	7784-40-9	232-064-2	N.D.	0.01%
I	14	Benzyl butyl phthalate(BBP)	85-68-7	201-622-7	N.D.	0.005%
I	15	Triethyl arsenate*	15606-95-8	427-700-2	N.D.	0.01%
II	16	^① Anthracene oil	90640-80-5	292-602-7	N.D.	0.05%
II	17	[®] Anthracene oil, anthracene	91995-17-4	295-278-5	N.D.	0.05%
111	1 /	paste,distn.Lights ****	91993-17-4	293-216-3	N.D.	0.03%
II	18	^① Anthracene oil, anthracene	91995-15-2	295-275-9	N.D.	0.05%
111	10	paste,anthracene fraction	91993-13-2	293-213-9	N.D.	0.0570
II	19	[®] Anthracene oil, anthracene-low	90640-82-7	292-604-8	N.D.	0.05%
II	20	^① Anthracene oil, anthracene paste	90640-81-6	292-603-2	N.D.	0.05%
II	21	[©] 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-Dinitrotoluene	121-14-2	204-450-0	N.D.	0.01%
II	24	Diisobutyl phthalate (DIBP)	84-69-5	201-553-2	N.D.	0.005%
II	25	[©] Lead chromate	7758-97-6	231-846-0	N.D.	0.05%
II	26	[®] Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	12656-85-8	235-759-9	N.D.	0.05%
II	27	[©] Lead sulfochromate yellow (C.I. Pigment Yellow 34)***	1344-37-2	215-693-7	N.D.	0.05%



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Batch No. Substance Name(s) CAS No. EC No. (%) II 28 Tris(2-chloroethyl)phosphate (TCEP) 115-96-8 204-118-5 N.D. III 29 Trichloroethylene 79-01-6 201-167-4 N.D. III 30 Boric acid* 110043-35-3 233-139-2 11113-50-1 234-343-4 N.D. III 31 Disodium tetraborate, anhydrous***** 12179-04-3 215-540-4 N.D. III 32 Tetraboron disodium heptaoxide, hydrate***** 12267-73-1 235-541-3 N.D. III 33 Sodium chromate* 7775-11-3 231-889-5 N.D. III 34 Potassium chromate* 7789-00-6 232-140-5 N.D. III 35 Ammonium dichromate* 7789-00-6 232-140-5 N.D. III 36 Potassium dichromate* 7778-50-9 231-906-6 N.D. IV 37 Cobalt(II) sulphate* 10124-43-3 233-334-2 N.D. IV 38 Cobalt(II) dinitrate* 10141-05-6 233-402-1 N.D. IV 39 Cobalt(II) dinitrate* 10141-05-6 233-402-1 N.D. IV 40 Cobalt(II) diacetate* 71-48-7 200-755-8 N.D. IV 41 2-Methoxyethanol 109-86-4 203-713-7 N.D. IV 42 2-Ethoxyethanol 109-86-4 203-713-7 N.D. IV 43 Chromium trioxide* 1333-82-0 215-607-8 N.D. IV 44 Chromium trioxide* 1333-82-0 215-607-8 N.D. IV 45 2-ethoxyethyl acetate 111-15-9 203-839-2 N.D. V 45 2-ethoxyethyl acetate 111-15-9 203-839-2 N.D. V 46 Strontium chromate* 7789-06-2 232-142-6 N.D. V 47 di-C7-11-branched and linear alkyl esters 7803-57-8 302-01-2 206-114-9 N.D.	Report	Concentration					
III 28 Tris(2-chloroethyl)phosphate (TCEP) 115-96-8 204-118-5 N.D. III 29 Trichloroethylene 79-01-6 201-167-4 N.D. III 30 Boric acid* 10043-35-3 233-139-2 11113-50-1 234-343-4 11113-50-1 234-343-4 12179-04-3 1300-43-4 12179-04-3 1303-96-4 1303-96-6	Limit		EC No.	CAS No.	Substance Name(s)	No.	Batch
III 29 Trichloroethylene 79-01-6 201-167-4 N.D. III 30 Boric acid* 10043-35-3 233-139-2 234-343-4 III 31 **Disodium tetraborate, anhydrous**** 1330-43-4 12179-04-3 215-540-4 N.D. III 32 **Tetraboron disodium heptaoxide, hydrate***** 12267-73-1 235-541-3 N.D. III 33 Sodium chromate* 7775-11-3 231-889-5 N.D. III 34 Potassium chromate* 7789-00-6 232-140-5 N.D. III 35 Ammonium dichromate* 7789-00-6 232-140-5 N.D. III 36 Potassium dichromate* 7778-50-9 231-906-6 N.D. IV 37 Cobalt() sulphate* 10124-43-3 233-334-2 N.D. IV 38 Cobalt() dinitrate* 10141-05-6 233-402-1 N.D. IV 40 Cobalt() carbonate* 513-79-1 208-169-4 N.D. IV 41 2-Methoxyethanol 109-86-4 203-713-7 N.D. IV 42 2-Ethoxyethanol 110-80-5 203-804-1 N.D. IV 43 Chromium trioxide* 1333-82-0 215-607-8 N.D. IV 44 Chromium trioxide* 1333-82-0 215-607-8 N.D. IV 45 2-ethoxyethyl acetate 111-15-9 203-839-2 N.D. V 46 Strontium chromate* 7789-06-2 232-142-6 N.D. V 47 di-C7-11-branched and linear alkyl esters 7803-57-8 302-01-2 206-114-9 N.D.	0.01%		204-118-5	115-96-8	Tris(2-chloroethyl)phosphate (TCEP)	28	П
III 30 Boric acid* 10043-35-3 233-139-2 234-343-4 N.D. III 31 Dissodium tetraborate, anhydrous***** 1330-43-4 12179-04-3 215-540-4 N.D. III 32 Tetraboron dissodium heptaoxide, hydrate***** 12267-73-1 235-541-3 N.D. III 33 Sodium chromate* 7775-11-3 231-889-5 N.D. III 34 Potassium chromate* 7789-00-6 232-140-5 N.D. III 35 Ammonium dichromate* 7789-00-6 232-140-5 N.D. III 36 Potassium dichromate* 7778-50-9 231-906-6 N.D. IV 37 Cobalt(II) sulphate* 10124-43-3 233-334-2 N.D. IV 38 Cobalt(II) dinitrate* 10141-05-6 233-402-1 N.D. IV 39 Cobalt(II) carbonate* 513-79-1 208-169-4 N.D. IV 40 Cobalt(II) diacetate* 71-48-7 200-755-8 N.D. IV 41 2-Methoxyethanol 109-86-4 203-713-7 N.D. IV 42 2-Ethoxyethanol 110-80-5 203-804-1 N.D. IV 43 Chromium trioxide* 1333-82-0 215-607-8 N.D. IV 44 Chromium trioxide* 1333-82-0 215-607-8 N.D. IV 45 2-ethoxyethyl acetate 7738-94-5 231-801-5 236-881-5 Chromic acid and dichromic acid* 7738-94-5 232-142-6 N.D. V 46 Strontium chromate* 7789-06-2 232-142-6 N.D. V 47 di-C7-11-branched and linear 68515-42-4 271-084-6 N.D. V 48 Hydrazine 7803-57-8 302-01-2 206-114-9 N.D.	0.005%						
III 30 Boric acid* 11113-50-1 234-343-4 N.D. III 31 Dissodium tetraborate, anhydrous***** 1330-43-4 12179-04-3 215-540-4 N.D. III 32 Tetraboron dissodium heptaoxide, hydrate***** 12267-73-1 235-541-3 N.D. III 33 Sodium chromate* 7775-11-3 231-889-5 N.D. III 34 Potassium chromate* 7789-00-6 232-140-5 N.D. III 35 Ammonium dichromate* 7789-09-5 232-143-1 N.D. III 36 Potassium dichromate* 7778-50-9 231-906-6 N.D. IV 37 Cobalt(II) sulphate* 10124-43-3 233-334-2 N.D. IV 38 Cobalt(II) dinitrate* 10141-05-6 233-402-1 N.D. IV 39 Cobalt(II) diacetate* 513-79-1 208-169-4 N.D. IV 40 Cobalt(II) diacetate* 71-48-7 200-755-8 N.D. IV 41 2-Methoxyethanol 109-86-4 203-713-7 N.D. IV 42 2-Ethoxyethanol 110-80-5 203-804-1 N.D. IV 43 Chromium trioxide* 1333-82-0 215-607-8 N.D. IV 44 Chromium trioxide* 1333-82-0 215-607-8 N.D. IV 45 2-ethoxyethyl acetate 111-15-9 203-839-2 N.D. V 46 Strontium chromate* 7789-06-2 232-142-6 N.D. V 47 di-C7-11-branched and linear 68515-42-4 271-084-6 N.D. V 48 Hydrazine 7803-57-8 302-01-2 206-114-9 N.D.					-		
III 31	0.01%	N.D.			Boric acid*	30	III
III 31					@		
III 32 Tetraboron disodium heptaoxide, hydrate***** 12267-73-1 235-541-3 N.D. III 33 Sodium chromate* 7775-11-3 231-889-5 N.D. III 34 Potassium chromate* 7789-00-6 232-140-5 N.D. III 35 Ammonium dichromate* 7789-09-5 232-143-1 N.D. III 36 Potassium dichromate* 7778-50-9 231-906-6 N.D. IV 37 Cobalt(II) sulphate* 10124-43-3 233-334-2 N.D. IV 38 Cobalt(II) dinitrate* 10141-05-6 233-402-1 N.D. IV 39 Cobalt(II) carbonate* 513-79-1 208-169-4 N.D. IV 40 Cobalt(II) diacetate* 71-48-7 200-755-8 N.D. IV 41 2-Methoxyethanol 109-86-4 203-713-7 N.D. IV 42 2-Ethoxyethanol 110-80-5 203-804-1 N.D. IV 43 Chromium trioxide* 1333-82-0 215-607-8 N.D. IV 44 Chromium trioxide* 1333-82-0 215-607-8 N.D. IV 45 2-ethoxyethyl acetate 111-15-9 203-839-2 N.D. V 46 Strontium chromate* 7789-06-2 232-142-6 N.D. V 47 di-C7-11-branched and linear alkyl esters 7803-57-8 302-01-2 206-114-9 N.D. V 48 Hydrazine 7803-57-8 302-01-2 206-114-9 N.D.	0.01%	N.D.	215-540-4			31	III
III 32				1303-96-4	anhydrous****		
III 34	0.01%	N.D.	235-541-3	12267-73-1	•	32	III
III 35 Ammonium dichromate* 7789-09-5 232-143-1 N.D. III 36 Potassium dichromate* 7778-50-9 231-906-6 N.D. IV 37 Cobalt(II) sulphate* 10124-43-3 233-334-2 N.D. IV 38 Cobalt(II) dinitrate* 10141-05-6 233-402-1 N.D. IV 39 Cobalt(II) carbonate* 513-79-1 208-169-4 N.D. IV 40 Cobalt(II) diacetate* 71-48-7 200-755-8 N.D. IV 41 2-Methoxyethanol 109-86-4 203-713-7 N.D. IV 42 2-Ethoxyethanol 110-80-5 203-804-1 N.D. IV 43 Chromium trioxide* 1333-82-0 215-607-8 N.D. IV 44 Chromium trioxide* 1333-82-0 215-607-8 N.D. IV 45 2-ethoxyethyl acetate 111-15-9 203-839-2 N.D. V 46 Strontium chromate* 7789-06-2 232-142-6 N.D. V 47 di-C7-11-branched and linear 68515-42-4 271-084-6 N.D. V 48 Hydrazine 7803-57-8 302-01-2 N.D. N.D. N.D.	0.01%	N.D.	231-889-5	7775-11-3	Sodium chromate*	33	III
III 36	0.01%	N.D.	232-140-5	7789-00-6	Potassium chromate*	34	III
IV 37 Cobalt(II) sulphate* 10124-43-3 233-334-2 N.D. IV 38 Cobalt(II) dinitrate* 10141-05-6 233-402-1 N.D. IV 39 Cobalt(II) carbonate* 513-79-1 208-169-4 N.D. IV 40 Cobalt(II) diacetate* 71-48-7 200-755-8 N.D. IV 41 2-Methoxyethanol 109-86-4 203-713-7 N.D. IV 42 2-Ethoxyethanol 110-80-5 203-804-1 N.D. IV 43 Chromium trioxide* 1333-82-0 215-607-8 N.D. IV 44 Acids generated from chromium trioxide and their oligomers: Chromic acid, Oligomers of chromic acid, Oligomers of chromic acid, Oligomers of chromic acid and dichromic acid* 7738-94-5 231-801-5 N.D. V 45 2-ethoxyethyl acetate 111-15-9 203-839-2 N.D. V 46 Strontium chromate* 7789-06-2 232-142-6 N.D. V 47 di-C7-11-branched and linear alkyl esters 68515-42-4 271-084-6 N	0.01%	N.D.	232-143-1	7789-09-5	Ammonium dichromate*	35	III
IV 38 Cobalt(II) dinitrate* 10141-05-6 233-402-1 N.D. IV 39 Cobalt(II) carbonate* 513-79-1 208-169-4 N.D. IV 40 Cobalt(II) diacetate* 71-48-7 200-755-8 N.D. IV 41 2-Methoxyethanol 109-86-4 203-713-7 N.D. IV 42 2-Ethoxyethanol 110-80-5 203-804-1 N.D. IV 43 Chromium trioxide* 1333-82-0 215-607-8 N.D. IV 44 trioxide and their oligomers: Chromic acid, Oligomers of chromic acid, Oligomers of chromic acid and dichromic acid* 231-801-5 N.D. V 45 2-ethoxyethyl acetate 111-15-9 203-839-2 N.D. V 46 Strontium chromate* 7789-06-2 232-142-6 N.D. V 47 di-C7-11-branched and linear alkyl esters 68515-42-4 271-084-6 N.D. V 48 Hydrazine 7803-57-8 206-114-9 N.D.	0.01%	N.D.	231-906-6	7778-50-9	Potassium dichromate*	36	III
IV 39 Cobalt(II) carbonate* 513-79-1 208-169-4 N.D. IV 40 Cobalt(II) diacetate* 71-48-7 200-755-8 N.D. IV 41 2-Methoxyethanol 109-86-4 203-713-7 N.D. IV 42 2-Ethoxyethanol 110-80-5 203-804-1 N.D. IV 43 Chromium trioxide* 1333-82-0 215-607-8 N.D. IV 44 trioxide and their oligomers: Chromic acid, Oligomers of chromic acid, Oligomers of chromic acid and dichromic acid* 7738-94-5 231-801-5 N.D. V 45 2-ethoxyethyl acetate 111-15-9 203-839-2 N.D. V 46 Strontium chromate* 7789-06-2 232-142-6 N.D. V 47 di-C7-11-branched and linear alkyl esters 68515-42-4 271-084-6 N.D. V 48 Hydrazine 7803-57-8 aligner 206-114-9 N.D.	0.01%	N.D.	233-334-2	10124-43-3	Cobalt(II) sulphate*	37	IV
IV 40 Cobalt(II) diacetate* 71-48-7 200-755-8 N.D. IV 41 2-Methoxyethanol 109-86-4 203-713-7 N.D. IV 42 2-Ethoxyethanol 110-80-5 203-804-1 N.D. IV 43 Chromium trioxide* 1333-82-0 215-607-8 N.D. IV 44 Acids generated from chromium trioxide and their oligomers: Chromic acid, Oligomers of chromic acid, Oligomers of chromic acid and dichromic acid* 231-801-5 N.D. V 45 2-ethoxyethyl acetate 111-15-9 203-839-2 N.D. V 46 Strontium chromate* 7789-06-2 232-142-6 N.D. V 47 di-C7-11-branched and linear alkyl esters 68515-42-4 271-084-6 N.D. V 48 Hydrazine 7803-57-8 algorithm 206-114-9 N.D.	0.01%	N.D.	233-402-1	10141-05-6	Cobalt(II) dinitrate*	38	IV
IV 41 2-Methoxyethanol 109-86-4 203-713-7 N.D. IV 42 2-Ethoxyethanol 110-80-5 203-804-1 N.D. IV 43 Chromium trioxide* 1333-82-0 215-607-8 N.D. IV 44 Trioxide and their oligomers: Chromic acid, Oligomers of chromic acid, Oligomers of chromic acid, Oligomers of chromic acid and dichromic acid* 231-801-5 N.D. V 45 2-ethoxyethyl acetate 111-15-9 203-839-2 N.D. V 46 Strontium chromate* 7789-06-2 232-142-6 N.D. V 47 di-C7-11-branched and linear alkyl esters 68515-42-4 271-084-6 N.D. V 48 Hydrazine 7803-57-8 alycometal and 206-114-9 N.D. N.D.	0.01%	N.D.	208-169-4	513-79-1	Cobalt(II) carbonate*	39	IV
IV 42 2-Ethoxyethanol 110-80-5 203-804-1 N.D. IV 43 Chromium trioxide* 1333-82-0 215-607-8 N.D. IV 44 "Acids generated from chromium trioxide and their oligomers: Chromic acid, Oligomers of chromic acid, Oligomers of chromic acid and dichromic acid* 7738-94-5 231-801-5 N.D. V 45 2-ethoxyethyl acetate 111-15-9 203-839-2 N.D. V 46 Strontium chromate* 7789-06-2 232-142-6 N.D. V 47 di-C7-11-branched and linear alkyl esters 68515-42-4 271-084-6 N.D. V 48 Hydrazine 7803-57-8 302-01-2 206-114-9 N.D.	0.01%	N.D.	200-755-8	71-48-7	Cobalt(II) diacetate*	40	IV
IV 43 Chromium trioxide* 1333-82-0 215-607-8 N.D. IV 44 "Acids generated from chromium trioxide and their oligomers: Chromic acid, Oligomers of chromic acid, Oligomers of chromic acid and dichromic acid* 7738-94-5 231-801-5 N.D. V 45 2-ethoxyethyl acetate 111-15-9 203-839-2 N.D. V 46 Strontium chromate* 7789-06-2 232-142-6 N.D. V 47 di-C7-11-branched and linear alkyl esters 68515-42-4 271-084-6 N.D. V 48 Hydrazine 7803-57-8 302-01-2 206-114-9 N.D.	0.005%	N.D.	203-713-7	109-86-4	2-Methoxyethanol	41	IV
IV 44 [®] Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid* 7738-94-5 231-801-5 236-881-5 236-881-5 236-881-5 N.D. V 45 2-ethoxyethyl acetate 111-15-9 203-839-2 N.D. N.D. V 46 Strontium chromate* 7789-06-2 232-142-6 N.D. N.D. V 47 di-C7-11-branched and linear alkyl esters 68515-42-4 271-084-6 N.D. N.D. V 48 Hydrazine 7803-57-8 302-01-2 206-114-9 N.D. N.D.	0.005%	N.D.	203-804-1	110-80-5	2-Ethoxyethanol	42	IV
IV 44 trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid* 7738-94-5 231-801-5 236-881-5 N.D. V 45 2-ethoxyethyl acetate 111-15-9 203-839-2 N.D. V 46 Strontium chromate* 7789-06-2 232-142-6 N.D. V 47 di-C7-11-branched and linear alkyl esters 68515-42-4 271-084-6 N.D. V 48 Hydrazine 7803-57-8 302-01-2 206-114-9 N.D.	0.01%	N.D.	215-607-8	1333-82-0	Chromium trioxide*	43	IV
IV 44 acid, Dichromic acid, Oligomers of chromic acid and dichromic acid* 13530-68-2 236-881-5 N.D. V 45 2-ethoxyethyl acetate 111-15-9 203-839-2 N.D. V 46 Strontium chromate* 7789-06-2 232-142-6 N.D. V 47 di-C7-11-branched and linear alkyl esters 68515-42-4 271-084-6 N.D. V 48 Hydrazine 7803-57-8 302-01-2 206-114-9 N.D.			231-801-5	7738-94-5			
V 46 Strontium chromate* 7789-06-2 232-142-6 N.D. V 47 di-C7-11-branched and linear alkyl esters 68515-42-4 271-084-6 N.D. V 48 Hydrazine 7803-57-8 302-01-2 206-114-9 N.D.	0.01%	N.D.			acid, Dichromic acid, Oligomers of	44	IV
V 47 [©] 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters 68515-42-4 271-084-6 N.D. V 48 Hydrazine ⁷⁸⁰³⁻⁵⁷⁻⁸ 302-01-2 206-114-9 N.D.	0.01%	N.D.	203-839-2	111-15-9	2-ethoxyethyl acetate	45	V
V 47 di-C7-11-branched and linear alkyl esters 68515-42-4 271-084-6 N.D. V 48 Hydrazine 7803-57-8 302-01-2 206-114-9 N.D.	0.01%	N.D.	232-142-6	7789-06-2	Strontium chromate*	46	V
V 48 Hydrazine 302-01-2 206-114-9 N.D.	0.01%	N.D.	271-084-6	68515-42-4	di-C7-11-branched and linear	47	V
302-01-2	0.010/	MD	206 114 0	7803-57-8	** 1	40	T 7
	0.01%	N.D.	206-114-9	302-01-2	Hydrazine	48	V
V 49 1-methyl-2-pyrrolidone 872-50-4 212-828-1 N.D.	0.01%	N.D.	212-828-1	872-50-4	1-methyl-2-pyrrolidone	49	V
V 50 1,2,3-trichloropropane 96-18-4 202-486-1 N.D.	0.01%	N.D.	202-486-1	96-18-4		50	V
V 51 di-C6-8-branched alkyl esters, 71888-89-6 276-158-1 N.D.	0.01%	N.D.	276-158-1	71888-89-6	di-C6-8-branched alkyl esters,	51	V
VI 52 Dichromium tris(chromate)* 24613-89-6 246-356-2 N.D.	0.01%	N.D.	246-356-2	24613-89-6		52	VI



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					Concontration	Domest
Batch	No.	Substance Name(s)	CAS No.	EC No.	Concentration (%)	Report Limit
VI	53	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	234-329-8	N.D.	0.01%
VI	54	Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	N.D.	0.01%
VI	55	[®] Aluminosilicate Refractory Ceramic Fibres (RCF) **	-	-	N.D.	0.05%
VI	56	[©] Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) **	-	-	N.D.	0.05%
VI	57	[®] Formaldehyde, oligomeric reaction products with aniline (technical MDA) [▲]	25214-70-4	500-036-1	N.D.	0.01%
VI	58	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	N.D.	0.005%
VI	59	2-Methoxyaniline(o-Anisidine)	90-04-0	201-963-1	N.D.	0.005%
VI	60	4-(1,1,3,3-tetramethylbutyl)phenol (4-tert-Octylphenol)	140-66-9	205-426-2	N.D.	0.005%
VI	61	1,2-Dichloroethane	107-06-2	203-458-1	N.D.	0.005%
VI	62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	N.D.	0.005%
VI	63	Arsenic acid*	7778-39-4	231-901-9	N.D.	0.01%
VI	64	Calcium arsenate*	7778-44-1	231-904-5	N.D.	0.01%
VI	65	Trilead diarsenate*	3687-31-8	222-979-5	N.D.	0.01%
VI	66	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	N.D.	0.005%
VI	67	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	Lead diazide*	13424-46-9	236-542-1	N.D.	0.01%
VI	70	Lead 2,4,6-trinitro-m-phenylene dioxide (Lead styphnate)*	15245-44-0	239-290-0	N.D.	0.01%
VI	71	Lead dipicrate*	6477-64-1	229-335-2	N.D.	0.01%
VII	72	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	203-977-3	N.D.	0.01%
VII	73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	N.D.	0.01%
VII	74	Diboron trioxide*	1303-86-2	215-125-8	N.D.	0.01%
VII	75	Formamide	75-12-7	200-842-0	N.D.	0.01%
VII	76	Lead(II) bis methanesulfonate*	17570-76-2	401-750-5	N.D.	0.01%
VII	77	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%



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Batch	No.	Substance Name(s)	CAS No.	EC No.	Concentration (%)	Report Limit
		β-TGIC (1,3,5-tris[(2S and				
VII	78	2R)-2,3-epoxypropyl]-1,3,5-triazine-	59653-74-6	423-400-0	N.D.	0.01%
		2,4,6- (1H,3H,5H)-trione)				
VII	79	4,4'-bis(dimethylamino)	90-94-8	202-027-5	N.D.	0.01%
VII	19	benzophenone (Michler's ketone)	90-94-6	202-027-3	N.D.	0.01%
VII	80	N,N,N',N'-tetramethyl-4,4'-methylene	101-61-1	202-959-2	N.D.	0.01%
V 11	80	dianiline (Michler's base)	101-01-1	202-939-2	N.D.	0.0170
		[4-[4,4'-bis(dimethylamino)				
VII	81	benzhydrylidene]cyclohexa-2,5-dien-	548-62-9	208-953-6	N.D.	0.01%
VII	01	1-ylidene] dimethylammonium	340-02-9	200-933-0	N.D.	0.01%
		chloride(C.I. Basic Violet 3)***				
		[4-[[4-anilino-1-naphthyl]				
		[4-(dimethylamino)phenyl]				
VII	82	methylene]cyclohexa-2,5-	2580-56-5	219-943-6	N.D.	0.01%
		dien-1-ylidene] dimethylammonium				
		chloride(C.I. Basic Blue 26)***				
		α,α-Bis[4-(dimethylamino)phenyl]-4				
VII	83	(phenylamino)naphthalene-1-	6786-83-0	229-851-8	N.D.	0.01%
		methanol (C.I. Solvent Blue 4)***				
VII	84	4,4'-bis(dimethylamino)-4"-	561 41 1	209-218-2	N.D.	0.01%
VII	64	(methylamino)trityl alcohol	561-41-1	209-218-2	N.D.	0.01%
		Bis(pentabromophenyl) ether				
VIII	85	(decabromodiphenyl ether;	1163-19-5	214-604-9	N.D.	0.05%
		DecaBDE)				
		^① 4-Nonylphenol, branched and linear				
		[substances with a linear and/or				
		branched alkyl chain with a carbon				
17111	0.0	number of 9 covalently bound in			ND	0.050/
VIII	86	position 4 to phenol, covering also	-	-	N.D.	0.05%
		UVCB- and well-defined substances				
		which include any of the individual				
		isomers or a combination thereof]		_		
1/111	07	Diazene-1,2-dicarboxamide	102 77 2	204-650-8	ND	0.050/
VIII	87	(C,C'-azodi(formamide))	123-77-3	204-030-8	N.D.	0.05%



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Report N	0. 71.	2190023094102008	I	ı		6 01 15
Batch	No.	Substance Name(s)	CAS No.	EC No.	Concentration (%)	Report Limit
VIII	88	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	-	N.D.	0.05%
VIII	89	Henicosafluoroundecanoic acid	2058-94-8	218-165-4	N.D.	0.05%
VIII	90	Pentacosafluorotridecanoic acid	72629-94-8	276-745-2	N.D.	0.05%
VIII	91	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	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	Heptacosafluorotetradecanoic acid	376-06-7	206-803-4	N.D.	0.05%
VIII	94	Diisopentylphthalate(DIPP)	605-50-5	210-088-4	N.D.	0.05%
VIII	95	¹ 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	N.D.	0.05%
VIII	96	N-pentyl-isopentylphthalate	776297-69-9		N.D.	0.05%
VIII	97	Methoxyacetic acid	625-45-6	210-894-6	N.D.	0.05%
VIII	98	Tricosafluorododecanoic acid	307-55-1	206-203-2	N.D.	0.05%
VIII	99	1,2-Diethoxyethane	629-14-1	211-076-1	N.D.	0.05%
VIII	100	3-ethyl-2-methyl-2-(3-methylbutyl)- 1,3-oxazolidine	143860-04-2	421-150-7	N.D.	0.05%
VIII	101	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1	N.D.	0.05%
VIII	102	N-methylacetamide	79-16-3	201-182-6	N.D.	0.05%
VIII	103	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	N.D.	0.01%
VIII	104	Biphenyl-4-ylamine	92-67-1	202-177-1	N.D.	0.05%
VIII	105	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	N.D.	0.05%



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Batch	No.	Substance Name(s)	CAS No.	EC No.	Concentration (%)	Report Limit
VIII	106	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	N.D.	0.01%
VIII	107	Lead dinitrate*	10099-74-8	233-245-9	N.D.	0.01%
VIII	108	Tetralead trioxide sulphate*	12202-17-4	235-380-9	N.D.	0.01%
VIII	109	Lead monoxide (lead oxide)*	1317-36-8	215-267-0	N.D.	0.01%
VIII	110	Lead titanium trioxide*	12060-00-3	235-038-9	N.D.	0.01%
VIII	111	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	N.D.	0.05%
VIII	112	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	N.D.	0.01%
VIII	113	Dimethyl sulphate	77-78-1	201-058-1	N.D.	0.05%
VIII	114	Furan	110-00-9	203-727-3	N.D.	0.05%
VIII	115	Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	N.D.	0.01%
VIII	116	Tetraethyllead*	78-00-2	201-075-4	N.D.	0.01%
VIII	117	[Phthalato(2-)]dioxotrilead*	69011-06-9	273-688-5	N.D.	0.01%
VIII	118	Diethyl sulphate	64-67-5	200-589-6	N.D.	0.05%
VIII	119	Lead cyanamidate*	20837-86-9	244-073-9	N.D.	0.01%
VIII	120	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped*	68784-75-8	272-271-5	N.D.	0.01%
VIII	121	Trilead dioxide phosphonate*	12141-20-7	235-252-2	N.D.	0.01%
VIII	122	o-Toluidine	95-53-4	202-429-0	N.D.	0.05%
VIII	123	o-aminoazotoluene	97-56-3	202-591-2	N.D.	0.05%
VIII	124	4-aminoazobenzene	60-09-3	200-453-6	N.D.	0.05%
VIII	125	6-methoxy- <i>m</i> -toluidine (<i>p</i> -cresidine)	120-71-8	204-419-1	N.D.	0.05%
VIII	126	Dibutyltin dichloride (DBTC)*	683-18-1	211-670-0	N.D.	0.05%
VIII	127	Lead titanium zirconium oxide*	12626-81-2	235-727-4	N.D.	0.01%
VIII	128	Methyloxirane (Propylene oxide)	75-56-9	200-879-2	N.D.	0.05%
VIII	129	1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	N.D.	0.05%
VIII	130	Trilead bis(carbonate)dihydroxide*	1319-46-6	215-290-6	N.D.	0.01%
VIII	131	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	N.D.	0.01%
VIII	132	Orange lead (lead tetroxide)*	1314-41-6	215-235-6	N.D.	0.01%
VIII	133	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	N.D.	0.01%
VIII	134	4,4'-oxydianiline and its salts	101-80-4	202-977-0	N.D.	0.05%
VIII	135	Lead oxide sulfate*	12036-76-9	234-853-7	N.D.	0.01%
VIII	136	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	N.D.	0.01%
VIII	137	Silicic acid, lead salt*	11120-22-2	234-363-3	N.D.	0.01%
VIII	138	N,N-dimethylformamide	68-12-2	200-679-5	N.D.	0.05%
IX	139	Cadmium	7440-43-9	231-152-8	N.D.	0.01%
IX	140	Cadmium oxide*	1306-19-0	215-146-2	N.D.	0.01%
IX	141	Dipentyl phthalate (DPP)	131-18-0	205-017-9	N.D.	0.01%



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Batch	No.	Substance Name(s)	CAS No.	EC No.	Concentration	Report
Dattii	110.	Substance Name(s)	CAS NO.	EC No.	(%)	Limit
IX	142	[©] 4-Nonylphenol, branched and linear, ethoxylated[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	-	-	N.D.	0.05%
IX	143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	N.D.	0.01%
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	N.D.	0.01%
X	145	^① Trixylyl phosphate	25155-23-1	246-677-8	N.D.	0.01%
X	146	Disodium 4-amino-3- [[4'-[(2,4-diaminophenyl)azo] [1,1'-biphenyl]-4-yl]azo]-5-hydroxy- 6-(phenylazo)naphthalene-2,7-disulp honate (C.I. Direct Black 38)	1937-37-7	217-710-3	N.D.	0.01%
X	147	Dihexyl phthalate	84-75-3	201-559-5	N.D.	0.01%
X	148	Cadmium sulphide*	1306-23-6	215-147-8	N.D.	0.01%
X	149	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)***	573-58-0	209-358-4	N.D.	0.01%
X	150	Lead di(acetate)*	301-04-2	206-104-4	N.D.	0.01%
X	151	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7	202-506-9	N.D.	0.01%
XI	152	[®] 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	N.D.	0.01%
XI	153	Cadmium chloride*	10108-64-2	233-296-7	N.D.	0.01%
XI	154	[®] Sodium perborate; perboric acid, sodium salt****	15120-21-5 11138-47-9	239-172-9 234-390-0	N.D.	0.01%
XI	155	[®] Sodium peroxometaborate****	7632-04-4	231-556-4	N.D.	0.01%
XII	156	2-(2H-Benzotriazol-2-yl)-4,6- ditertpentylphenol (UV-328)	25973-55-1	247-384-8	N.D.	0.01%



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				_ ~ ~	Concentration	Report
Batch	No.	Substance Name(s)	CAS No.	EC No.	(%)	Limit
XII	157	2-Benzotriazol-2-yl-4,6-di-tert-butylp henol (UV-320)	3846-71-7	223-346-6	N.D.	0.01%
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	N.D.	0.05%
XII	159	Cadmium fluoride*	7790-79-6	232-222-0	N.D.	0.01%
XII	160	Cadmium sulphate*	10124-36-4 31119-53-6	233-331-6	N.D.	0.01%
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)*	-	-	N.D.	0.05%
XIII	162	°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%
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 stereoisomers of [1] and [2] or any combination thereof]	-	-	N.D.	0.05%
XIV	164	Nitrobenzene	98-95-3	202-716-0	N.D.	0.01%
XIV	165	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-(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-propanesultone	1120-71-4	214-317-9	N.D.	0.01%



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Batch	No.	Substance Name(s)	CAS No.	EC No.	Concentration (%)	Report Limit
XIV	168	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	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	200-028-5	N.D.	0.01%
XVI	170	4,4'-isopropylidenediphenol (bisphenol A; BPA)	80-05-7	201-245-8	N.D.	0.01%
XVI	171	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	<i>p</i> -(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	N.D.	0.01%
XVI	173	¹⁰ 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	Perfluorohexane-1-sulphonic acid and its salts	-	-	N.D.	0.0005%
XVIII	175	Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)	-	-	N.D.	0.01%
XVIII	176	Benzo[a]anthracene	56-55-3 1718-53-2	200-280-6	N.D.	0.01%
XVIII	177	Cadmium nitrate*	10325-94-7 10022-68-1	233-710-6	N.D.	0.01%
XVIII	178	Cadmium carbonate*	513-78-0	208-168-9	N.D.	0.01%
XVIII	179	Cadmium hydroxide*	21041-95-2	244-168-5	N.D.	0.01%
XVIII	180	Chrysene	218-01-9 1719-03-5	205-923-4	N.D.	0.01%



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Batch	No.	Substance Name(s)	CAS No.	EC No.	Concentration (%)	Report Limit
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 (4-HPbl)]	-	-	N.D.	0.05%
XIX	182	Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	N.D.	0.01%
XIX	183	Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	N.D.	0.01%
XIX	184	Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	N.D.	0.01%
XIX	185	Lead	7439-92-1	231-100-4	N.D.	0.01%
XIX	186	Disodium octaborate*	12008-41-2	234-541-0	N.D.	0.01%
XIX	187	Benzo[ghi]perylene	191-24-2	205-883-8	N.D.	0.01%
XIX	188	Terphenyl, hydrogenated	61788-32-7	262-967-7	N.D.	0.01%
XIX	189	Ethylenediamine (EDA)	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	Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	N.D.	0.01%
XX	192	2,2-bis(4'-hydroxyphenyl)-4- methylpentane	6807-17-6	401-720-1	N.D.	0.01%
XX	193	Benzo[k]fluoranthene	207-08-9	205-916-6	N.D.	0.01%
XX	194	Fluoranthene	206-44-0	205-912-4	N.D.	0.01%
XX	195	Phenanthrene	85-01-8	201-581-5	N.D.	0.01%
XX	196	Pyrene	129-00-0	204-927-3	N.D.	0.01%
XX	197	1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one	15087-24-8	239-139-9	N.D.	0.01%

Test Method:

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.

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

Tested Sample/Part Description COB LED(Tested as a whole)



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Note:

- 1. w/w = weight by weight; 0.1% = 1000 mg/kg = 1000 ppm
- 2. N.D. = Not Detected (<report limit)
- 3. *: Concentration value of the substance by the conversion from the test results of certain elements. 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. **: 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.: Colour Index
- 6. ****: Light fractions from distillation
- 7. *****: Concentration value of Disodiumtetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate is evaluated by Disodiumtetraborate, 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. 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.
 ©: In view of the substances are established as UVCB substances (substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances.
- 10. [©]: 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. [®]: 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.

Remark:

The sample(s) was tested as a whole, because it's impossible to disassemble or separate it by current equipment and technology. The result(s) shown on this report may be different from the content of any homogeneous material.





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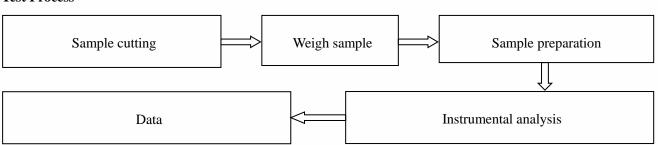
Appendix:

- Any supplier of an article containing a substance that is included in the Candidate List in a concentration above
 % 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 3 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.
 - 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.



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Test Process



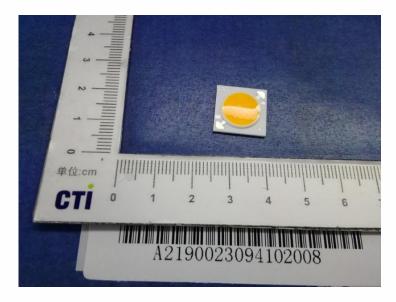
Hotline:400-6788-333 www.cti-cert.com E-mail:info@cti-cert.com Complaint call:0755-33681700 Complaint E-mail:complaint@cti-cert.com



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Photo(s) of the sample(s)



*** End of Report ***

Statement:

- 1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
- 2. The sample(s) and sample information was/were provided by the client who should be responsible for the authenticity which CTI hasn't verified;
- 3. The result(s) shown in this report refer(s) only to the sample(s) tested;
- 4. Without written approval of CTI, this report can't be reproduced except in full;
- 5. In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.



Attached page

Photo(s) of Client Reference

