

Report No.: YHJC202305160008-1

Date: May.19,2023

Client: Dongguan chengyue plastic products co.,ltd
 No 32,fuming road, tangxia town, Dongguan city, Guangdong

Sample Receiving Date : May.16,2023

Testing Period : From May.16,2023 to May.19,2023

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

Item	Sample Name	Materials	Color
1	胶管	PVC	蓝色
2	胶管	PVC	灰色
3	胶管	PVC	黑色
4	胶管	PVC	白色

SUMMARY OF TEST RESULTS

ITEM	TEST REQUESTED	CONCLUSION
1.	According to European Commission Regulation 1907/2006(REACH Act), the contents of SVHC 233 items are less than 0.1%	Pass
	According to The European Chemicals Agency Issuance on Jan, 2022, the contents of SVHC 1 item which is planned to be SVHC substances list is less than 0.1%	
	According to The European Chemicals Agency Issuance on Feb, 2023, the contents of SVHC 2 items which are planned to be SVHC substances list are less than 0.1%	

*****FOR FURTHER DETAILS,PLEASE REFER TO THE FOLLWING PAGE(S) *****

Prepared By: Zheng Jiaojiao

 Zheng Jiaojiao
 Lab Clerk

Checked By: Clare Chen

 Clare Chen
 Lab Supervisor

Approved By: Kevin Yang

 Kevin Yang
 Lab Manager


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TEST RESULTS

1.SVHC 236 ITEMS CONTENT

Test Method: In-house method with reference to EPA:8270E,3052,6010D,3550C,8321B,3060A,7196A,8000D, EN ISO 14362,DIN 54231,DIN EN ISO 17353,IEC 62321,AfPS GS 2019:01 PAK,GB/T 18446, CPSC-CH-C1001-09.4 and ASTM D4526.

Batch	Seq.	Name	CAS No.	Result(%)	RDL (%)
				$1+2+3+4^{\Delta}$	
I	1	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	ND	0.005
I	2	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	81-15-2	ND	0.005
I	3	Short Chain Chlorinated Paraffins(SCCPs)	85535-84-8	ND	0.01
I	4	Anthracene	120-12-7	ND	0.005
I	5	Benzyl butyl phthalate (BBP)	85-68-7	ND	0.005
I	6	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	0.013	0.005
I	7*	Bis(tributyltin) oxide (TBTO)	56-35-9	ND	0.01
I	8*	Cobalt dichloride	7646-79-9	ND	0.01
I	9*	Diarsenic pentaoxide	1303-28-2	ND	0.01
I	10*	Diarsenic trioxide	1327-53-3	ND	0.01
I	11	Dibutyl phthalate (DBP)	84-74-2	ND	0.005
I	12*	Hexabromocyclododecane (HBCDD)	134237-52-8; 134237-51-7; 25637-99-4; 3194-55-6; 134237-50-6	ND	0.01
I	13*	Lead hydrogen arsenate	7784-40-9	ND	0.01
I	14*	Sodium dichromate	10588-01-9; 7789-12-0	ND	0.01
I	15*	Triethyl arsenate	15606-95-8	ND	0.01
II	16	2,4-dinitrotoluene	121-14-2	ND	0.005
II	17 ^①	Anthracene oil	90640-80-5	ND	0.005
II	18 ^①	Anthracene oil, anthracene paste	90640-81-6	ND	0.005
II	19 ^①	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	ND	0.005
II	20 ^①	Anthracene oil, anthracene paste, distrn. lights	91995-17-4	ND	0.005
II	21 ^①	Anthracene oil, anthracene-low	90640-82-7	ND	0.005
II	22	Diisobutyl phthalate(DIBP)	84-69-5	ND	0.005
II	23* ^②	Lead chromate	7758-97-6	ND	0.01
II	24* ^②	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	ND	0.01
II	25* ^②	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	ND	0.01
II	26 ^①	Coal tar pitch, high temperature	65996-93-2	ND	0.005
II	27	Tris(2-chloroethyl) phosphate(TCEP)	115-96-8	ND	0.005
II	28	Acrylamide	79-06-1	ND	0.005

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				$\frac{1+2+3+4}{4}$ [△]	
III	29*	Ammonium dichromate	7789-09-5	ND	0.01
III	30*	Boric acid	10043-35-3; 11113-50-1	ND	0.01
III	31* ^②	Disodium tetraborate, anhydrous	12179-04-3; 1303-96-4; 1330-43-4	ND	0.01
III	32*	Potassium chromate	7789-00-6	ND	0.01
III	33*	Potassium dichromate	7778-50-9	ND	0.01
III	34*	Sodium chromate	7775-11-3	ND	0.01
III	35* ^②	Tetraboron disodium heptaoxide, hydrate	12267-73-1	ND	0.01
III	36	Trichloroethylene	79-01-6	ND	0.005
IV	37	2-ethoxyethanol	110-80-5	ND	0.005
IV	38	2-methoxyethanol	109-86-4	ND	0.005
IV	39*	Acids generated from chromium trioxide and their oligomers:Chromic acid,Dichromic acid,Oligomers of chromic acid and dichromic acid	13530-68-2; 7738-94-5	ND	0.01
IV	40*	Chromium trioxide	1333-82-0	ND	0.01
IV	41*	Cobalt(II) carbonate	513-79-1	ND	0.01
IV	42*	Cobalt(II) diacetate	71-48-7	ND	0.01
IV	43*	Cobalt(II) dinitrate	10141-05-6	ND	0.01
IV	44*	Cobalt(II) sulphate	10124-43-3	ND	0.01
V	45	1,2,3-trichloropropane	96-18-4	ND	0.005
V	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	ND	0.005
V	47 ^①	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	ND	0.005
V	48	1-Methyl-2-pyrrolidone (NMP)	872-50-4	ND	0.005
V	49	2-ethoxyethyl acetate	111-15-9	ND	0.005
V	50	Hydrazine	302-01-2; 7803-57-8	ND	0.005
V	51*	Strontium chromate	7789-06-2	ND	0.01
VI	52	1,2-dichloroethane	107-06-2	ND	0.005
VI	53	2,2'-dichloro-4,4'-methylenedianiline(MOCA)	101-14-4	ND	0.005
VI	54	2-Methoxyaniline(o-Anisidine)	90-04-0	ND	0.005
VI	55	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	ND	0.005
VI	56* ^②	Aluminosilicate Refractory Ceramic Fibres(RCF)	-	ND	0.01
VI	57*	Arsenic acid	7778-39-4	ND	0.01
VI	58	Bis(2-methoxyethyl) ether	111-96-6	ND	0.005
VI	59	Bis(2-methoxyethyl) phthalate	117-82-8	ND	0.005

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				1+2+3+4 [△]	
VI	60*	Calcium arsenate	7778-44-1	ND	0.01
VI	61*	Dichromium tris(chromate)	24613-89-6	ND	0.01
VI	62 ^{▲①}	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	ND	0.005
VI	63*	Lead diazide, Lead azide	13424-46-9	ND	0.01
VI	64*	Lead dipicrate	6477-64-1	ND	0.01
VI	65*	Lead styphnate	15245-44-0	ND	0.01
VI	66	N,N-dimethylacetamide(DMAC)	127-19-5	ND	0.005
VI	67*	Pentazinc chromate octahydroxide	49663-84-5	ND	0.01
VI	68	Phenolphthalein	77-09-8	ND	0.005
VI	69*	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	ND	0.01
VI	70*	Trilead diarsenate	3687-31-8	ND	0.01
VI	71* ^②	Zirconia Aluminosilicate Refractory Ceramic Fibres(Zr-RCF)	-	ND	0.01
VII	72	1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	ND	0.005
VII	73	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	ND	0.005
VII	74	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	ND	0.005
VII	75	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	ND	0.005
VII	76	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	ND	0.005
VII	77	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	ND	0.005
VII	78	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	ND	0.005
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	ND	0.005
VII	80*	Diboron trioxide	1303-86-2	ND	0.01
VII	81	Formamide	75-12-7	ND	0.005
VII	82*	Lead(II) bis(methanesulfonate)	17570-76-2	ND	0.01
VII	83	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	ND	0.005

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Add: 12 Floor, South Tower, ShuMao Building, XiangXing Road, Torch Development Zone, ZhongShan, Guangdong, China

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Fax: 0760-88284700

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TEST RESULTS:

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				$\frac{1+2+3+4}{4}$	
VII	84	α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	ND	0.005
VIII	85 ^①	1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	84777-06-0	ND	0.005
VIII	86	1,2-diethoxyethane	629-14-1	ND	0.005
VIII	87*	1-bromopropane (n-propyl bromide)	106-94-5	ND	0.01
VIII	88	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	ND	0.005
VIII	89	4,4'-methylenedi-o-toluidine	838-88-0	ND	0.005
VIII	90	4,4'-oxydianiline and its salts	101-80-4	ND	0.005
VIII	91	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated[covering well-defined substances and UVCB substances, polymers and homologues]	-	ND	0.005
VIII	92	4-aminoazobenzene	60-09-3	ND	0.005
VIII	93	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	ND	0.005
VIII	94	6-methoxy-m-toluidine (p-cresidine)	120-71-8	ND	0.005
VIII	95*	[Phthalato(2-)]dioxotrilead	69011-06-9	ND	0.01
VIII	96*	Acetic acid, lead salt, basic	51404-69-4	ND	0.01
VIII	97	Biphenyl-4-ylamine	92-67-1	ND	0.005
VIII	98*	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	1163-19-5	ND	0.01
VIII	99	Cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride	85-42-7; 13149-00-3; 14166-21-3	ND	0.005
VIII	100	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	123-77-3	ND	0.005
VIII	101*	Dibutyltin dichloride (DBTC)	683-18-1	ND	0.01
VIII	102	Diethyl sulphate	64-67-5	ND	0.005
VIII	103	Diisopentyl phthalate	605-50-5	ND	0.005
VIII	104	Dimethyl sulphate	77-78-1	ND	0.005
VIII	105	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	ND	0.005
VIII	106*	Dioxobis(stearato)trilead	12578-12-0	ND	0.01
VIII	107*	Fatty acids, C16-18, lead salts	91031-62-8	ND	0.01
VIII	108	Furan	110-00-9	ND	0.005
VIII	109	Henicosafuoroundecanoic acid	2058-94-8	ND	0.0005
VIII	110	Heptacosafuorotetradecanoic acid	376-06-7	ND	0.0005

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VIII	111	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	ND	0.005
VIII	112*	Lead bis(tetrafluoroborate)	13814-96-5	ND	0.01
VIII	113*	Lead cyanamidate	20837-86-9	ND	0.01
VIII	114*	Lead dinitrate	10099-74-8	ND	0.01
VIII	115*	Lead monoxide (lead oxide)	1317-36-8	ND	0.01
VIII	116*	Lead oxide sulfate	12036-76-9	ND	0.01
VIII	117*	Lead titanium trioxide	12060-00-3	ND	0.01
VIII	118*	Lead titanium zirconium oxide	12626-81-2	ND	0.01
VIII	119	Methoxyacetic acid	625-45-6	ND	0.005
VIII	120	Methyloxirane (Propylene oxide)	75-56-9	ND	0.005
VIII	121	N,N-dimethylformamide	68-12-2	ND	0.005
VIII	122	N-methylacetamide	79-16-3	ND	0.005
VIII	123	n-pentyl-isopentylphthalate	776297-69-9	ND	0.005
VIII	124	o-aminoazotoluene	97-56-3	ND	0.005
VIII	125	o-toluidine	95-53-4	ND	0.005
VIII	126*	Orange lead (lead tetroxide)	1314-41-6	ND	0.01
VIII	127	Pentacosfluorotridecanoic acid	72629-94-8	ND	0.0005
VIII	128*	Pentalead tetraoxide sulphate	12065-90-6	ND	0.01
VIII	129*	Pyrochlore, antimony lead yellow	8012-00-8	ND	0.01
VIII	130*	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped	68784-75-8	ND	0.01
VIII	131*	Silicic acid, lead salt	11120-22-2	ND	0.01
VIII	132*	Sulfurous acid, lead salt, dibasic	62229-08-7	ND	0.01
VIII	133*	Tetraethyllead	78-00-2	ND	0.01
VIII	134*	Tetralead trioxide sulphate	12202-17-4	ND	0.01
VIII	135	Tricosfluorododecanoic acid	307-55-1	ND	0.0005
VIII	136*	Trilead bis(carbonate) dihydroxide	1319-46-6	ND	0.01
VIII	137*	Trilead dioxide phosphonate	12141-20-7	ND	0.01
VIII	138 ^①	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]	-	ND	0.005

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IX	139	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	ND	0.0005
IX	140*	Cadmium	7440-43-9	ND	0.01
IX	141*	Cadmium oxide	1306-19-0	ND	0.01
IX	142	Dipentyl phthalate (DPP)	131-18-0	ND	0.005
IX	143 ^①	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, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	-	ND	0.005
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	ND	0.0005
X	145*	Cadmium sulphide	1306-23-6	ND	0.01
X	146	Dihexyl phthalate	84-75-3	ND	0.005
X	147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	ND	0.005
X	148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	ND	0.005
X	149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	ND	0.005
X	150*	Lead di(acetate)	301-04-2	ND	0.01
X	151 ^①	Triethyl phosphate	25155-23-1	ND	0.005
XI	152 ^①	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	ND	0.005
XI	153*	Cadmium chloride	10108-64-2	ND	0.01
XI	154* ^②	Sodium perborate; Perboric acid, sodium salt	15120-21-5 ; 11138-47-9	ND	0.01
XI	155* ^②	Sodium peroxometaborate	7632-04-4	ND	0.01
XII	156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	ND	0.005
XII	157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	ND	0.005
XII	158*	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	ND	0.01

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Batch	Seq.	Name	CAS No.	Result(%)	RDL (%)
				1+2+3+4 [△]	
XII	159*	Cadmium fluoride	7790-79-6	ND	0.01
XII	160*	Cadmium sulphate	10124-36-4; 31119-53-6	ND	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)	-	ND	0.01
XIII	162 [■]	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5; 68648-93-1	ND	0.005
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]	-	ND	0.005
XIV	164	1,3-propanesultone	1120-71-4	ND	0.005
XIV	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	ND	0.005
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	ND	0.005
XIV	167	Nitrobenzene	98-95-3	ND	0.005
XIV	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	4149-60-4; 375-95-1; 21049-39-8	ND	0.0005
XV	169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	ND	0.005
XVI	170	4,4'-isopropylidenediphenol(Bisphenol A)(BPA)	80-05-7	ND	0.005
XVI	171 ^①	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]	-	ND	0.005
XVI	172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2; 3108-42-7; 3830-45-3	ND	0.0005

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ZhongShan Forever Testing (Int'l) Co., Ltd.

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Add: 12 Floor, South Tower, ShuMao Building, XiangXing Road, Torch Development Zone, ZhongShan, Guangdong, China

Tel: 0760-88284699

Fax: 0760-88284700

Report No.: YHJC202305160008-1

Date: May.19,2023

TEST RESULTS:

Batch	Seq.	Name	CAS No.	Result(%)	RDL (%)
				$\frac{1+2+3+4}{4}$	
XVI	173	p-(1,1-dimethylpropyl)phenol	80-46-6	ND	0.005
XVII	174	Perfluorohexane-1-sulphonic acid and its salts(PFHxS)	-	ND	0.0005
XVIII	175	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM)[covering any of its individual anti- and syn-isomers or any combination thereof]	-	ND	0.005
XVIII	176	Benz[a]anthracene	56-55-3; 1718-53-2	ND	0.005
XVIII	177*	Cadmium carbonate	513-78-0	ND	0.01
XVIII	178*	Cadmium hydroxide	21041-95-2	ND	0.01
XVIII	179*	Cadmium nitrate	10325-94-7; 10022-68-1	ND	0.01
XVIII	180	Chrysene	218-01-9; 1719-03-5	ND	0.005
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-HPb)]	-	ND	0.005
XIX	182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride)(TMA)	552-30-7	ND	0.005
XIX	183	Benzo[ghi]perylene	191-24-2	ND	0.005
XIX	184	Decamethylcyclopentasiloxane(D5)	541-02-6	ND	0.005
XIX	185	Dicyclohexyl phthalate(DCHP)	84-61-7	ND	0.005
XIX	186* [@]	Disodium octaborate	12008-41-2	ND	0.01
XIX	187	Dodecamethylcyclohexasiloxane(D6)	540-97-6	ND	0.005
XIX	188	Ethylenediamine(EDA)	107-15-3	ND	0.005
XIX	189*	Lead	7439-92-1	ND	0.01
XIX	190	Octamethylcyclotetrasiloxane(D4)	556-67-2	ND	0.005
XIX	191	Terphenyl, hydrogenated	61788-32-7	ND	0.005
XX	192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one(3-benzylidene camphor)(3-BC)	15087-24-8	ND	0.005
XX	193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	ND	0.005
XX	194	Benzo[k]fluoranthene	207-08-9	ND	0.005
XX	195	Fluoranthene	206-44-0; 93951-69-0	ND	0.005
XX	196	Phenanthrene	85-01-8	ND	0.005
XX	197	Pyrene	129-00-0; 1718-52-1	ND	0.005

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Tel: 0760-88284699

Fax: 0760-88284700

Report No.: YHJC202305160008-1

Date: May.19,2023

TEST RESULTS:

Batch	Seq.	Name	CAS No.	Result(%)	RDL (%)
				$\frac{1+2+3+4}{4}$ [△]	
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]	-	ND	0.0005
XXI	199	2-methoxyethyl acetate	110-49-6	ND	0.005
XXI	200 ^①	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	ND	0.005
XXI	201	4-tert-butylphenol (PTBP)	98-54-4	ND	0.005
XXII	202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	ND	0.005
XXII	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropyl n-1-one	71868-10-5	ND	0.005
XXII	204	Diisohexyl phthalate	71850-09-4	ND	0.005
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	ND	0.0005
XXIII	206	1-vinylimidazole	1072-63-5	ND	0.005
XXIII	207	2-methylimidazole	693-98-1	ND	0.005
XXIII	208	Butyl 4-hydroxybenzoate	94-26-8	ND	0.005
XXIII	209*	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	ND	0.01
XXIV	210	bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	ND	0.005
XXIV	211* ^①	Diocetyl tin 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	-	ND	0.01
XXV	212	1,4-Dioxane	123-91-1	ND	0.005
XXV	213*	2,2-bis(bromomethyl)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)	-	ND	0.01
XXV	214*	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	ND	0.005
XXV	215	4,4'-(1-methylpropylidene)bisphenol	77-40-7	ND	0.005
XXV	216	glutaral	111-30-8	ND	0.005
XXV	217 ^①	Medium chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% of linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	ND	0.01
XXV	218*	orthoboric acid, sodium salt	13840-56-7	ND	0.01

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ZhongShan Forever Testing (Int'l) Co., Ltd.

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Tel: 0760-88284699

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Report No.: YHJC202305160008-1

Date: May.19,2023

TEST RESULTS:

Batch	Seq.	Name	CAS No.	Result(%)	RDL (%)
				$\frac{1+2+3+4}{4}$	
XXV	219 ^①	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	ND	0.005
XXV	220 ^③	(±)-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)	-	ND	0.005
XXVI	221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	ND	0.005
XXVI	222 ^④	S-(tricyclo[5.2.1.0'2,6]deca-3-en-8(or9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	ND	0.005
XXVI	223	tris(2-methoxyethoxy)vinylsilane	1067-53-4	ND	0.005
XXVII	224	N-(hydroxymethyl) acrylamide	924-42-5	ND	0.005
XXVIII	225	1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]	37853-59-1	ND	0.01
XXVIII	226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	ND	0.01
XXVIII	227	4,4'-sulphonyldiphenol	80-09-1	ND	0.01
XXVIII	228	Barium diboron tetraoxide	13701-59-2	ND	0.01
XXVIII	229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	ND	0.01
XXVIII	230	Isobutyl 4-hydroxybenzoate	4247-02-3	ND	0.01
XXVIII	231	Melamine	108-78-1	ND	0.01
XXVIII	232	Perfluoroheptanoic acid and its salts	-	ND	0.0005
XXVIII	233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	-	ND	0.005
XXIX	234 [▼]	bis(4-chlorophenyl) sulphone	80-07-9	ND	0.005
XXIX	235 [▼]	Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide	75980-60-8	ND	0.005
/	pre236 [★]	Resorcinol	108-46-3	ND	0.005

Remark:

- *=Content value of the substance by the conversion from the test results of certain elements.
- @=Content of Disodium tetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate are calculated as Disodium tetraborate, with no consider of the hydrate; Content of Sodium perborate; Perboric acid, sodium salt and Sodium peroxometaborate are calculated as Sodium perborate, with no consider of the hydrate; Disodium octaborate,hydrate are calculated as Disodium octaborate, with no consider of the hydrate.

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ZhongShan Forever Testing (Int'l) Co., Ltd.

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Report No.: YHJC202305160008-1

Date: May.19,2023

TEST RESULTS:

- 3.▲=Content 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, 2,2'-Diaminodiphenylmethane).
- 4.①=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.
- 5.②=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 results of the specified heavy metal elements.
- 6.■=Content of 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate by the conversion from the test results of certain compounds(Di-n-hexyl phthalate(DNHP),Diheptyl phthalate(DIHP),Di-n-octyl phthalate(DNOP),Di-iso-octyl phthalate(DIOP),Di-iso-decyl phthalate(DIDP),1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear(DHP)).
- 7.●=Content of 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] by the conversion from the test results of certain compounds(2-(2,4-dimethylcyclohex-3-ene-1-yl)-5-methyl-5-(1-methylpropyl)-1,3-dioxane).
- 8.*=Content of 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers by the conversion from the test results of certain compounds(Lily aldehyde).
- 9.③=Content of 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one(3-benzylidene camphor)(3-BC)by the conversion from the test results of certain compounds(3-(4-methylbenzylidene)camphor).
- 10.④=Content of S-(tricyclo[5.2.1.0^{2,6}]deca-3-en-8(or9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate by the conversion from the test results of certain compounds (Dicyclopentadiene).
- 11.▼= The X SVHC substances are now at public consultation stage which are published by the European Chemicals Agency on 17.02,2023.
- 12.◆=European Commission(EC) has voted to add Resorcinol into the SVHC list which will be updated by the European Chemicals Agency(ECHA).
- 13.%=Percentage
RDL= Report Detection Limit
ND=Not Detected (lower than RDL)
△=As specified by client, the samples were equal mass proportional mixed to test, and the test results are calculated based on the total sample quality.The result(s) shown on this report may be different from the content of any homogeneous material.

Report No.: YHJC202305160008-1

Date: May.19,2023

Test Part Description:			
<u>1</u>	Blue plastic	<u>2</u>	Grey plastic
<u>3</u>	Black plastic	<u>4</u>	White plastic

SAMPLE(S) PHOTO



Sample 1



Sample 2



Sample 3



Sample 4

ZhongShan Forever Testing (Int'l) Co., Ltd. authenticate the photo on original report only

***End of Test Report ***

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