中鉴检测 CCTI TESTING

Test Report

Scan code for report

Applicant	:	Anhui Aerospace & PMA Health Tech. Co., Ltd.
Address	:	No.1201 Huguang East Rd. Shushan District, Hefei City, Anhui Province

The submitted sample and sample information was/were submitted and identified by/on the behalf of the client

Sample name	:	Gravity MiHigh Back Wrap V2
Testing type /model	:	MHBW008
Additional type /model	:	N/A
Trademark	:	GRAVITY
Manufacturer name	:	Dezhou Aerospace&PMA Graphene Technology Co., Ltd.
Address	:	No.6596 Dongfanghong East Rd. Yuanqiao Town, Economic Development Zone, Dezhou City, Shandong Province
Sample received date	:	Nov. 27, 2023
Testing period	:	Nov. 27, 2023 to Dec. 08, 2023
Test Method	:	Analysis was performed by ICP-OES, GC-MS(HS), HPLC-DAD-MS, IC, AAS, UV-VIS.
Test Result(s)	:	Please refer to the following page(s)

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CONCLUSION:

TESTED SAMPLES	TEST ITEM	RESULT
Gravity MiHigh Back Wrap V2	1.As specified by client, SVHC screening is performed according to: Two hundred and thirty-five (235) Substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemical Agency (ECHA) on and before Jun. 14, 2023 published by European Chemical Agency (ECHA) regarding regulation (EC) No.1907/2006 concerning the REACH. According to the specified scope and analytical techniques, concentrations of SVHC (235 SVHC) and less than 0.1%(w/w) in the sample.	**PASS**

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

Producer By : Betty Liang
(Betty Liang / Engineer)
Date: Dec. 08, 2023

Authorized Signer : Corey Mao
(Corey Mao / Manager)
Date: Dec. 08, 2023

SHENZHEN CCTI TECHNOLOGY CO., LTD. APPROVED

Test Report

Description of Specimen:

Tested components : No.1 METAL MIXED

No.2 NON-METAL MIXED

Chemical Substance	Results %(w/w)
	Tested components
	No.1
All Tested 73 SVHCs in Chemical List**	N.D.

Chemical Substance	Results %(w/w)
	Tested components
	No.2
All Tested 235 SVHCs in Chemical List	N.D.

Note:

1. SVHC = Substances of Very High Concern
2. % = w/w = percentage by weight
3. N.D. = Not Detected (<Report Limit)
4. RL = Report Limit
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 fourth version of ECHA “Guidance on requirements for substances in articles”, 2017.
7. Report Limit: Be obtained from the uncertainty, the 0.1 % threshold and the ECHA “Guidance on requirements for substances in articles”.
8. In accordance with Regulation (EC) No 1907/2006, any producer or importer of articles shall notify the European Chemicals Agency(ECHA), In accordance with Article 59(1) of the Regulation if:
   -the substance is present in those articles in quantities totaling over one tone per producer or importer per year;

-the substance is present in those articles above a concentration of 0.1% weight by weight(w/w).

9. Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, he name of that substance.

Remark: As specified by applicant, to test content in the selected materials of the submitted samples. The test results are only responsible for the submitted sample. The test report is only for customer research, teaching, internal quality control, product development and other purposes, for reference only.

Test Report

Test Result(s):

235 SVHCs Chemical List、Test Method and Instrument

No.	Test Item	Refer to Test Method/ Instrument	CAS No.	EC No.	RL % (w/w)
The first fifteen substances of SVHC (Released in Oct, 2008)					
1	Anthracene	AfPS ProdSG:2014 GC-MS	120-12-7	204-371-1	0.010
2	4,4'-Diaminodiphenylmethane	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	101-77-9	202-974-4	0.010
3	Dibutyl phthalate (DBP)	EN 14372:2004 GC-MS	84-74-2	201-557-4	0.010
4	Bis(2-ethylhexyl) phthalate (DEHP)		117-81-7	204-211-0	0.010
5	Benzyl butyl phthalate (BBP)		85-68-7	201-622-7	0.010
6	Bis(tributyltin)oxide (TBTO)	ISO17353:2004 (E) GC-MS	56-35-9	200-268-0	0.010
7	5-tert-butyl-2,4,6-trinitro-m-xylene	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	81-15-2	201-329-4	0.010
8	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: (α-HBCDD, β-HBCDD,γ-HBCDD)		25637-99-4 3194-55-6 (134237-51-7 134237-50-6 134237-52-8)	247-148-4 221-695-9	0.010
9	Alkanes, C10-13 chloro (short chain chlorinated paraffins, SCCP)		85535-84-8	287-476-5	0.010
10	Lead hydrogen arsenate**	EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 ICP-OES	7784-40-9	232-064-2	0.010
11	Triethyl arsenate**		15606-95-8	427-700-2	0.010
12	Diarsenic pentaoxide **		1303-28-2	215-116-9	0.010
13	Diarsenic trioxide**		1327-53-3	215-481-4	0.010
14	Cobalt dichloride**	EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 & EN14582:2016 ICP-OES & IC	7646-79-9	231-589-4	0.010
15	Sodium dichromate**	EPA 3050B:1996 & EPA 3052:1996 &	7789-12-0 10588-01-9	234-190-3	0.010

No.	Test Item	Refer to Test Method/ Instrument	CAS No.	EC No.	RL % (w/w)
		EPA 6010C:2007 ICP-OES & UV-Vis			
The second thirteen substances of SVHC (Released in Jan, 2010 and Mar, 2010)					
16	Anthracene oil	AfPS ProdSG:2014 GC-MS	90640-80-5	292-602-7	0.010
17	Anthracene oil, anthracene paste, distn. Lights		91995-17-4	295-278-5	0.010
18	Anthracene oil, anthracene paste, anthracene fraction		91995-15-2	295-275-9	0.010
19	Anthracene oil, anthracene-low		90640-82-7	292-604-8	0.010
20	Anthracene oil, anthracene paste		90640-81-6	292-603-2	0.010
21	Diisobutyl phthalate (DIBP)	EN 14372:2004 GC-MS	84-69-5	201-553-2	0.010
22	2,4-Dinitrotoluene (2,4-DNT)	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	121-14-2	204-450-0	0.010
23	Lead chromate **	EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 ICP-OES & UV-Vis	7758-97-6	231-846-0	0.010
24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) **		12656-85-8	235-759-9	0.010
25	Lead sulfochromate yellow (C.I.Pigment Yellow 34) **		1344-37-2	215-693-7	0.010
26	Pitch, coal tar, high temp.	AfPS ProdSG:2014 GC-MS	65996-93-2	266-028-2	0.010
27	Tris(2-chloroethyl) phosphate(TCEP)	EPA 3540C:1996 & EPA 8270D:2014 GC-MS	115-96-8	204-118-5	0.010
28	Acrylamide	EPA 3550C:2007 & EPA 8321B:2007 HPLC	79-06-1	201-173-7	0.010
The third eight substances of SVHC (Released in Jun, 2010)					
29	Trichloroethylene	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	79-01-6	201-167-4	0.010
30	Boric acid **	EPA 3050B:1996 &	10043-35-3	233-139-2	0.010

No.	Test Item		Refer to Test Method/ Instrument	CAS No.	EC No.	RL % (w/w)
			EPA 3052:1996 & EPA 6010C:2007 ICP-OES	11113-50-1	234-343-4	
31	Disodium tetraborate, anhydrous **		EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 ICP-OES	1330-43-4 12179-04-3 1303-96-4	215-540-4	0.010
32	Tetraboron disodium heptaoxide, hydrate **			12267-73-1	235-541-3	0.010
33	Sodium chromate **		EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 ICP-OES & UV-Vis	7775-11-3	231-889-5	0.010
34	Potassium chromate **			7789-00-6	232-140-5	0.010
35	Ammonium dichromate **			7789-09-5	232-143-1	0.010
36	Potassium dichromate **			7778-50-9	231-906-6	0.010
The fourth eight substances of SVHC (Released in Dec, 2010)						
37	Chromium trioxide **		EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 ICP-OES & UV-Vis	1333-82-0	215-607-8	0.010
38	2-Methoxyethanol		EPA 3550C:2007 & EPA 8270D:2014 GC-MS	109-86-4	203-713-7	0.010
39	2-Ethoxyethanol			110-80-5	203-804-1	0.010
40	Cobalt(II) diacetate **		EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 ICP-OES	71-48-7	200-755-8	0.010
41	Cobalt(II) carbonate **			513-79-1	208-169-4	0.010
42	Cobalt(II) dinitrate **			10141-05-6	233-402-1	0.010
43	Cobalt(II) sulphate **			10124-43-3	233-334-2	0.010
44	Acids generated from chromium trioxide and their oligomers Group containing:	Chromic acid**	EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 ICP-OES & UV-Vis	7738-94-5	231-801-5	0.010
		Dichromic acid**		13530-68-2	236-881-5	
		Oligomers of chromic acid and dichromic acid**		--	--	
The fifth seven substances of SVHC (Released in Jun, 2011)						
45	2-Ethoxyethyl acetate		EPA 3550C:2007 & EPA 8270D:2014	111-15-9	203-839-2	0.010

No.	Test Item	Refer to Test Method/ Instrument	CAS No.	EC No.	RL % (w/w)
		GC-MS			
46	Strontium chromate**	EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 ICP-OES & UV-Vis	7789-06-2	232-142-6	0.010
47	1,2-Benzenedicarboxyli c acid,di-C7-11-branched and linear alkyl esters (DHNUP)*	EN 14372:2004 GC-MS	68515-42-4	271-084-6	0.010
48	Hydrazine	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	7803-57-8 302-01-2	206-114-9	0.010
49	1-Methyl-2-pyrrolidone		872-50-4	212-828-1	0.010
50	1,2,3-Trichloropropane		96-18-4	202-486-1	0.010
51	1,2-Benzenedicarboxylic acid, Di-C6-8-branched alkyl esters, C7-rich (DIHP)*	EN 14372:2004 GC-MS	71888-89-6	276-158-1	0.010
The sixth twenty substances of SVHC (Released in Dec, 2011)					
52	Dichromium tris(chromate)**	EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 ICP-OES & UV-Vis	24613-89-6	246-356-2	0.010
53	Potassium hydroxyoctaoxodizincate di-chromate**		11103-86-9	234-329-8	0.010
54	Pentazinc chromate octahydroxide **	EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 ICP-OES	49663-84-5	256-418-0	0.010
55	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	EPA 3550C:2007 & EPA 8321B:2007 HPLC	25214-70-4	500-036-1	0.010
56	Bis(2-methoxyethyl) phthalate (DMEP)	EN 14372:2004 GC-MS	117-82-8	204-212-6	0.010
57	2-Methoxyaniline; o-Anisidine	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	90-04-0	201-963-1	0.010
58	4-(1,1,3,3-tetramethylbutyl) phenol, (4-tert-Octylphenol)		140-66-9	205-426-2	0.010
59	1,2-Dichloroethane		107-06-2	203-458-1	0.010
60	Bis(2-methoxyethyl) ether		111-96-6	203-924-4	0.010
61	Arsenic acid**	EPA 3050B:1996 &	7778-39-4	231-901-9	0.010

No.	Test Item	Refer to Test Method/ Instrument	CAS No.	EC No.	RL % (w/w)
62	Calcium arsenate**	EPA 3052:1996 & EPA 6010C:2007 ICP-OES	7778-44-1	231-904-5	0.010
63	Trilead diarsenate**		3687-31-8	222-979-5	0.010
64	N,N-dimethylacetamide (DMAC)	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	127-19-5	204-826-4	0.010
65	Phenolphthalein	EPA 3550C:2007 & EPA 8321B:2007 HPLC	77-09-8	201-004-7	0.010
66	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	101-14-4	202-918-9	0.010
67	Lead azide; Lead diazide**	EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 ICP-OES	13424-46-9	236-542-1	0.010
68	Lead styphnate**		15245-44-0	239-290-0	0.010
69	Lead dipicrate**		6477-64-1	229-335-2	0.010
70	Aluminosilicate Refractory Ceramic Fibres (RCF)**		--	--	0.010
71	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)**		--	--	0.010
The seventh thirteen substances of SVHC (Released in Jun, 2012)					
72	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	112-49-2	203-977-3	0.010
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)		110-71-4	203-794-9	0.010
74	Diboron trioxide**	EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 ICP-OES	1303-86-2	215-125-8	0.010
75	Lead(II)bis(methanesulfonate)**		17570-76-2	401-750-5	0.010
76	Formamide	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	75-12-7	200-842-0	0.010
77	1,3,5-tris(oxiranylmethyl)-1,3,5-triazi ne-2,4,6 (1H,3H,5H)-trione (TGIC)	EPA 3550C:2007 & EPA 8321B:2007 HPLC	2451-62-9	219-514-3	0.010
78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-		59653-74-6	423-400-0	0.010

No.	Test Item	Refer to Test Method/ Instrument	CAS No.	EC No.	RL % (w/w)
	2,4,6-(1H,3H,5H)-trione (β-TGIC)				
79	4,4'-bis (dimethylamino)benzopheno ne (Michler's ketone)	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	90-94-8	202-027-5	0.010
80	N,N,N',N'-tetramethyl-4,4'-methylen edianiline (Michler's base)		101-61-1	202-959-2	0.010
81	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	EPA 3550C:2007 & EPA 8321B:2007 HPLC	548-62-9	208-953-6	0.010
82	[4-[[4-anilino-1-naphthyl][4-(dimethyl amino) phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]		2580-56-5	219-943-6	0.010
83	α,α-Bis[4-(dimethylamino) phenyl]-4 (phenylamino) naphthalene-1-metha nol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]		6786-83-0	229-851-8	0.010
84	4,4'-bis(dimethylamino)-4''-(methyla mino)trityl alcohol with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)		561-41-1	209-218-2	0.010
The eighth fifty-four substances of SVHC (Released in Dec, 2012)					
85	Bis(pentabromophenyl) ether	IEC 62321-6:2015	1163-19-5	214-604-9	0.010

No.	Test Item	Refer to Test Method/ Instrument	CAS No.	EC No.	RL % (w/w)
	(decabromodiphenyl ether; DecaBDE)	GC-MS			
86	Pentacosafluorotridecanoic acid	EPA 3550C:2007 & EPA 8321B:2007 HPLC	72629-94-8	276-745-2	0.010
87	Tricosafluorododecanoic acid	EPA 3550C:2007 & EPA 8321B:2007 HPLC	307-55-1	206-203-2	0.010
88	Henicosafluoroundecanoic acid		2058-94-8	218-165-4	0.010
89	Heptacosafluorotetradecanoic acid		376-06-7	206-803-4	0.010
90	4-(1,1,3,3-tetramethylbutyl) phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	--	--	0.010
91	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]		--	--	0.010
92	Diazene-1,2- dicarboxamide (C,C'-azodi(formamide)	EPA 3550C:2007 & EPA 8321B:2007 HPLC	123-77-3	204-650-8	0.010
93	Hexahydromethylphthalic anhydride Hexahydro-4-methylphthalic anhydride Hexahydro-1-methylphthalic anhydride Hexahydro-3-methylphthalic anhydride	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	25550-51-0 19438-60-9 48122-14-1 57110-29-9	247-094-1 243-072-0 256-356-4 260-566-1	0.010
94	Cyclohexane-1,2-dicarboxylic anhydride	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	0.010
95	Methoxy acetic acid		625-45-6	210-894-6	0.010
96	1,2-Benzenedicarboxylic acid,		84777-06-0	284-032-2	0.010

No.	Test Item	Refer to Test Method/ Instrument	CAS No.	EC No.	RL % (w/w)
	dipentylester, branched and linear				
97	Diisopentylphthalate (DIPP)	EN 14372:2004 GC-MS	605-50-5	210-088-4	0.010
98	N-pentyl-isopentylphtalate		776297-69-9	--	0.010
99	1,2-diethoxyethane	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	629-14-1	211-076-1	0.010
100	N,N-dimethylformamide		68-12-2	200-679-5	0.010
101	Dibutyltin dichloride (DBTC)	ISO 17353:2004(E) GC-MS	683-18-1	211-670-0	0.010
102	Acetic acid, lead salt, basic**	EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 ICP-OES	51404-69-4	257-175-3	0.010
103	Trilead bis(carbonate) dihydroxide**		1319-46-6	215-290-6	0.010
104	Lead oxide sulfate**		12036-76-9	234-853-7	0.010
105	[Phthalato(2-)]dioxotrilead **		69011-06-9	273-688-5	0.010
106	Dioxobis(stearato)trilead **	EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 ICP-OES	12578-12-0	235-702-8	0.010
107	Fatty acids, C16-18, lead salts**		91031-62-8	292-966-7	0.010
108	Lead bis (tetrafluoroborate)**		13814-96-5	237-486-0	0.010
109	Lead cynamidate**		20837-86-9	244-073-9	0.010
110	Lead dinitrate**		10099-74-8	233-245-9	0.010
111	Lead oxide (lead monoxide)**		1317-36-8	215-267-0	0.010
112	Lead tetroxide (orange lead)**		1314-41-6	215-235-6	0.010
113	Lead titanium trioxide**		12060-00-3	235-038-9	0.010
114	Lead Titanium Zirconium Oxide**		12626-81-2	235-727-4	0.010
115	Pentalead tetraoxide sulphate**		12065-90-6	235-067-7	0.010
116	Pyrochlore, antimony lead yellow**		8012-00-8	232-382-1	0.010
117	Silicic acid, barium salt, lead-doped**		68784-75-8	272-271-5	0.010
118	Silicic acid, lead salt**		11120-22-2	234-363-3	0.010
119	Sulfurous acid, lead salt, dibasic**		62229-08-7	263-467-1	0.010

No.	Test Item	Refer to Test Method/ Instrument	CAS No.	EC No.	RL % (w/w)
120	Tetraethyllead**		78-00-2	201-075-4	0.010
121	Tetralead trioxide sulphate**		12202-17-4	235-380-9	0.010
122	Trilead dioxide phosphonate**		12141-20-7	235-252-2	0.010
123	Furan	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	110-00-9	203-727-3	0.010
124	Methyloxirane (Propylene oxide)	EPA 3550C:2007 & EPA 8270D:2014 HS-GC-MS	75-56-9	200-879-2	0.010
125	Diethyl sulphate	EPA 3550C:2007 & EPA 8321B:2007 HPLC	64-67-5	200-589-6	0.010
126	Dimethyl sulphate	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	77-78-1	201-058-1	0.010
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1, 3-oxazoli dine	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	143860-04-2	421-150-7	0.010
128	Dinoseb		88-85-7	201-861-7	0.010
129	4,4'-methylenedi-o-toluidine		838-88-0	212-658-8	0.010
130	4,4'-oxydianiline and its salts		101-80-4	202-977-0	0.010
131	4-aminoazobenzene		60-09-3	200-453-6	0.010
132	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	95-80-7	202-453-1	0.010
133	6-methoxy-m-toluidine (p-cresidine)		120-71-8	204-419-1	0.010
134	Biphenyl-4-ylamine		92-67-1	202-177-1	0.010
135	o-aminoazotoluene [(4-o-tolylazo-o-toluidine]		97-56-3	202-591-2	0.010
136	o-toluidine		95-53-4	202-429-0	0.010
137	N-methylacetamide	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	79-16-3	201-182-6	0.010
138	1-bromopropane (n-propyl bromide)	EPA 3550C:2007 & EPA 8270D:2014 HS-GC-MS	106-94-5	203-445-0	0.010

No.	Test Item	Refer to Test Method/ Instrument	CAS No.	EC No.	RL % (w/w)
The ninth six substances of SVHC (Released in Jun, 2013)					
139	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]	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	--	--	0.010
140	Cadmium**	EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 ICP-OES	7440-43-9	231-152-8	0.010
141	Cadmium oxide**		1306-19-0	215-146-2	0.010
142	Ammonium pentadecafluorooctanoate (APFO)	EPA 3550C:2007 & EPA 8321B:2007 HPLC	3825-26-1	223-320-4	0.010
143	Pentadecafluorooctanoic acid (PFOA)		335-67-1	206-397-9	0.010
144	Dipentyl phthalate (DPP)	EN 14372:2004 GC-MS	131-18-0	205-017-9	0.010
The tenth seven substances of SVHC (Released in Dec, 2013)					
145	Cadmium sulphide**	EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 ICP-OES	1306-23-6	215-147-8	0.010
146	Dihexyl phthalate(DnHP)	EN 14372:2004 GC-MS	7440-43-9	201-559-5	0.010
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)] bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	EPA 3550C:2007 & EPA 8321B:2007 HPLC	1306-19-0	209-358-4	0.010
148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo) naphthalen e-		1937-37-7	217-710-3	0.010

No.	Test Item	Refer to Test Method/ Instrument	CAS No.	EC No.	RL % (w/w)
	2,7-disulphonate (C.I. Direct Black 38)				
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	96-45-7	202-506-9	0.010
150	Trixylyl phosphate		25155-23-1	246-677-8	0.010
151	Lead di(acetate)**	EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 ICP-OES	301-04-2	206-104-4	0.010
The eleventh four substances of SVHC (Released in Jun, 2014)					
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	EN 14372:2004 GC-MS	68515-50-4	271-093-5	0.010
153	Cadmium chloride**	EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 ICP-OES	10108-64-2	233-296-7	0.010
154	Sodium perborate; perboric acid, sodium salt**		--	239-172-9 234-390-0	0.010
155	Sodium peroxometaborate**		7632-04-4	231-556-4	0.010
The twelfth six substances of SVHC (Released in Dec, 2014)					
156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	25973-55-1	247-384-8	0.010
157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)		3846-71-7	223-346-6	0.010
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5- dithia-4-stannatetradecanoate (DOTE)	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	15571-58-1	239-622-4	0.010
159	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)	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	--	--	0.010

No.	Test Item	Refer to Test Method/ Instrument	CAS No.	EC No.	RL % (w/w)
160	Cadmium fluoride**	EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 ICP-OES	7790-79-6	232-222-0	0.010
161	Cadmium sulphate**		10124-36-4 31119-53-6	233-331-6	0.010
The thirteenth two substances of SVHC (Released in Jun, 2015)					
162	1,2-benzenedicarboxyli c acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxyli c acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	68515-51-5 68648-93-1	271-094-0 272-013-1	0.010
163	5-sec-butyl-2-(2,4-dime thylcyclohex-3-en-1-yl)- 5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dime thylcyclohex-3-en-1-yl)- 5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]		--	--	0.010
The fourteenth five substances of SVHC (Released in Dec, 2015)					
164	1,3-propanesultone	EPA 3540C:1996 GC-FID	1120-71-4	214-317-9	0.010
165	2,4-di-tert-butyl-6-(5-chlorobenzotria zol-2-yl)phenol (UV-327)	EPA 3540C:1996 & EPA 8321B:2007, HPLC	3864-99-1	223-383-8	0.010
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)		36437-37-3	253-037-1	0.010
167	Nitrobenzene	EPA 3540C:1996 GC-FID	98-95-3	202-716-0	0.010
168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-hep tadecafluorononanoic acid and its sodium and ammonium salts	EPA 3540C:1996 & EPA 8321B:2007 LC-MS	375-95-1 21049-39-8 4149-60-4	206-801-3	0.010
The fifteenth one substances of SVHC (Released in Jun, 2016)					

No.	Test Item	Refer to Test Method/ Instrument	CAS No.	EC No.	RL % (w/w)
169	Benzo[def]chrysene (Benzo[a]pyrene)	AfPS ProdSG:2014 GC-MS	50-32-8	200-028-5	0.010
The sixteenth four substances of SVHC (Released in Jan, 2017)					
170	4,4'-isopropylidenediphenol (bisphenol A)	EPA 3550C:2007 & EPA 8321B:2007 HPLC	80-05-7	201-245-8	0.010
171	4-tert-pentylphenol (PTAP)	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	80-46-6	201-280-9	0.010
172	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]		--	--	0.010
173	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	EPA 3550C:2007 & EPA 8321B:200	3108-42-7 335-76-2 3830-45-3	206-400-3 221-470-5	0.010
The seventeenth one substances of SVHC (Released in Jun, 2017)					
174	Perfluorohexane-1-sulp honic acid and its salts (PFHxS)	EPA 3550C:2007 & EPA 8270D:2014 LC-MS	355-46-4	206-587-1	0.010
The eighteenth nine substances of SVHC (Released in Jan, 2018)					
175	1,6,7,8,9,14,15,16,17,17,18,18 -Dod ecachloropentacyclo [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]	EPA 8270D:2014 GC-MS	--	--	0.010
176	Benz[a]anthracene	AfPS ProdSG:2014 GC-MS	56-55-3	200-280-6	0.010
177	Cadmium nitrate**	EPA 3050B:1996 & EPA 3052:1996 &	10325-94-7	233-710-6	0.010
178	Cadmium carbonate**		513-78-0	208-168-9	0.010

No.	Test Item	Refer to Test Method/ Instrument	CAS No.	EC No.	RL % (w/w)
179	Cadmium hydroxide**	EPA 6010C:2007 ICP-OES	21041-95-2	244-168-5	0.010
180	Chrysene	AfPS ProdSG:2014 GC-MS	218-01-9	205-923-4	0.010
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]	EPA 8270D:2014 GC-MS	--	--	0.010
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	EPA 8270D:2014 GC-MS	552-30-7	209-008-0	0.010
183	Dicyclohexyl phthalate (DCHP)	EPA 8270D:2014 GC-MS	84-61-7	201-545-9	0.010
The nineteen nine substances of SVHC (Released in Jun, 2018)					
184	Benzo[ghi]perylene	AfPS ProdSG:2014 GC-MS	191-24-2	205-883-8	0.010
185	Decamethylcyclopentasiloxane (D5)	EPA 8270D:2014 GC-MS	541-02-6	208-764-9	0.010
186	Disodium octaborate**	EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 ICP-OES	12008-41-2	234-541-0	0.010
187	Dodecamethylcyclohexasiloxane (D6)	EPA 8270D:2014 GC-MS	540-97-6	208-762-8	0.010
188	Ethylenediamine		107-15-3	203-468-6	0.010
189	Lead**	EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 ICP-OES	7439-92-1	231-100-4	0.010
190	Octamethylcyclotetrasiloxane (D4)	EPA 8270D:2014 GC-MS	556-67-2	209-136-7	0.010
191	Terphenyl hydrogenated		61788-32-7	262-967-7	0.010
192	1,7,7-trimethyl-3-(phenylmethylen e) bicyclo[2.2.1]heptan-2-one (3-	EPA 8270D:2014 GC-MS	15087-24-8	239-139-9	0.010

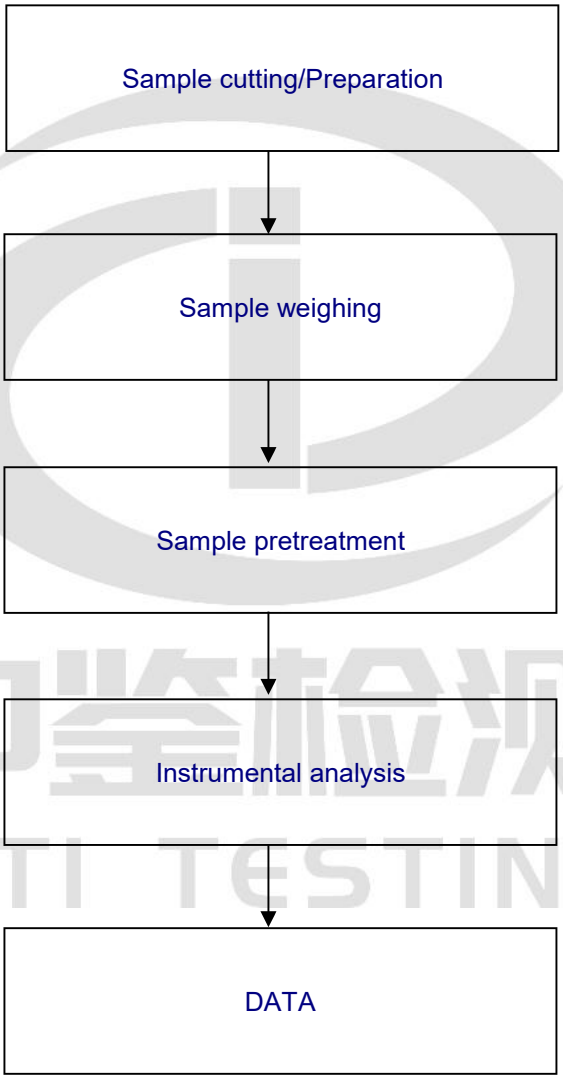
No.	Test Item	Refer to Test Method/ Instrument	CAS No.	EC No.	RL % (w/w)
	benzylidene camphor)				
The Twentieth five substances of SVHC (Released in Jan, 2019)					
193	2,2-bis(4'-hydroxyphenyl)-4-methylp entane	EPA 8270D:2014 GC-MS	6807-17-6	401-720-1	0.010
194	Benzo[k]fluoranthene	AfPS ProdSG:2014 GC-MS	207-08-9	205-916-6	0.010
195	Fluoranthene		206-44-0	205-912-4	0.010
196	Phenanthrene		85-01-8	201-581-5	0.010
197	Pyrene		129-00-0	204-927-3	0.010
The Twenty-first four substances of SVHC (Released in Jul, 2019)					
198	2,3,3,3-tetrafluoro-2-(heptafluoropro poxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) HFPO-DA	EPA 8270D:2014 GC-MS	--	--	0.010
199	2-methoxyethyl acetate		110-49-6	203-772-9	0.010
200	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)		--	--	0.010
201	p-tert-Butylphenol,4-t-Butylphenol (PTBP)		98-54-4	202-679-0	0.010
The Twenty-two four substances of SVHC (Released in Jan, 2020)					
202	2-benzyl-2-dimethylamino-4'-morph olinobutyrophenone	EPA 3540C:1996 HPLC	119313-12-1	404-360-3	0.010
203	2-methyl-1-(4-methylthiophenyl)-2-m orpholinopropan-1-one	EPA 3540C:1996 HPLC	71868-10-5	400-600-6	0.010
204	Diisohexyl phthalate	EPA 8270D:2014 GC-MS	71850-09-4	276-090-2	0.010
205	Perfluorobutane sulfonic acid(PFBS) and its salts	EPA 3540C:1996 HPLC	--	--	0.010
The Twenty-three four substances of SVHC (Released in Jun, 2020)					

No.	Test Item	Refer to Test Method/ Instrument	CAS No.	EC No.	RL % (w/w)
206	1-vinylimidazole	EPA 3540C:1996 HPLC	1072-63-5	214-012-0	0.010
207	2-methylimidazole		693-98-1	211-765-7	0.010
208	Butyl 4-hydroxybenzoate		94-26-8	202-318-7	0.010
209	Dibutylbis(pentane-2,4-dionato-O,O')tin		22673-19-4	245-152-0	0.010
The Twenty-four two substances of SVHC (Released in Jan, 2021)					
210	Bis (2-(2-methoxyethoxy) ethyl) ether	EPA 3540C:1996 HPLC	143-24-8	--	0.010
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		--	--	0.010
The Twenty-five eight substances of SVHC (Released in Jul, 2021)					
212	1,4-dioxane	EPA 3540C:1996 GC-MS	123-91-1	204-661-8	0.010
213	2,2-bis (bromomethyl) propane1,3-di ol (BMP) 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromom ethyl)-1-propanol (TBNPA) 2,3-dibromo-1-propanol (2,3-DBPA)	EPA 3540C:1996 GC-MS	3296-90-0 36483-57-5 1522-92-5 96-13-9	221-967-7 253-057-0 202-480-9	0.010
214	2-(4-tert-butylbenzyl) propionaldehyd e and its individual stereoisomers	EPA 8270D:2014 GC-MS	--	--	0.010
215	4,4'-(1-methylpropylidene) bisphenol (bisphenol B)	EPA 3550C:2007 & EPA 8321B:2007 HPLC-MS/DAD	77-40-7	201-025-1	0.010
216	Glutaral	EPA 8270D:2014 GC-MS	111-30-8	203-856-5	0.010
217	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear	EPA 3550C:2007& EPA 8270D:2014 GC-MS	--	--	0.010

No.	Test Item	Refer to Test Method/ Instrument	CAS No.	EC No.	RL % (w/w)
	chloroalkanes with carbon chain lengths within the range from C14 to C17]				
218	Orthoboric acid, sodium salt	EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 ICP-OES	13840-56-7	237-560-2	0.010
219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	EPA 3540C:1996 HPLC-MS/DAD	--	--	0.010
The Twenty-sixth four substances of SVHC (Released in Jan, 2022)					
220	(±)-1,7,7-trimethyl-3-[(4-methylphe nyl)methylene] bicyclo[2.2.1]heptan- 2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	EPA 3540C:1996 GC-MS	--	--	0.010
221	6,6'-di-tert-butyl-2,2'-methylenedi-p- cresol (DBMC)	EPA 3540C:1996 GC-MS	119-47-1	204-327-1	0.010
222	S-(tricyclo[5.2.1.0'2,6] deca-3-en-8(o r 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	EPA 3540C:1996 GC-MS	255881-94-8	401-850-9	0.010
223	tris(2-methoxyethoxy) vinylsilane	EPA 3540C:1996 GC-MS	1067-53-4	213-934-0	0.010
The Twenty-seven one substances of SVHC (Released in Jun, 2022)					
224	N-(hydroxymethyl) acrylamide	EPA 3540C:1996 GC-MS	924-42-5	213-103-2	0.010
The Twenty-eight nine substances of SVHC (Released in Jan, 2023)					
225	1,1'-[ethane-1,2-diylbisoxy]bis[2, 4,6-tribromobenzene]	EPA 3540C:1996 GC-MS	37853-59-1	253-692-3	0.010
226	2,2',6,6'-tetrabromo-4,4'-	EPA 3540C:1996	79-94-7	201-236-9	0.010

No.	Test Item	Refer to Test Method/ Instrument	CAS No.	EC No.	RL % (w/w)
	isopropy lidenediphenol	GC-MS			
227	4,4'-sulphonyldiphenol	EPA 3540C:1996 LC-MS	80-09-1	201-250-5	0.010
228	Barium diboron tetraoxide**	EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 ICP-OES	13701-59-2	237-222-4	0.010
229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	EPA 3540C:1996 GC-MS/LC-MS	--	--	0.010
230	Isobutyl 4-hydroxybenzoate	EPA 3540C:1996 GC-MS	4247-02-3	224-208-8	0.010
231	Melamine	EPA 3540C:1996 HPLC/DAD	108-78-1	203-615-4	0.010
232	Perfluoroheptanoic acid and its salts	EPA 3540C:1996 LC-MS	--	--	0.010
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-(hept afluoropropyl) morpholine	EPA 3540C:1996 LC-MS	--	473-390-7	0.010
The Twenty-nine two substances of SVHC (Released in Jun, 2023)					
234	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	EPA 3540C:1996 GC-MS	75980-60-8	278-355-8	0.010
235	Bis(4-chlorophenyl) sulphone	EPA 3540C:1996 GC-MS	80-07-9	201-247-9	0.010

Test Flow Chart



Appendix:

Classification	Definition under Directive 67/548/EEC and Regulation(EC)1907/2006
Carcinogen Category 1:	Substance known to carcinogenic to man. There is sufficient evidence to establish a causal association between human exposure to a substance and the development of cancer.
Carcinogen Category 2:	Substances which should be regarded as if they are carcinogenic to man. There is sufficient evidence to provide a strong presumption that human exposure to a substance may result in the development of cancer. Generally on the basis of : - Appropriate long-term animal studies; - Other relevant information.
Mutagen Category 1:	Substance known to mutagenic to man. There is sufficient evidence to establish a causal association between human exposure to a substance and heritable genetic damage.
Mutagen Category 2:	Substances which should be regarded as if they are mutagenic to man. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in the development of heritable genetic damage, generally on the basis of : - Appropriate long-term animal studies; - Other relevant information.
Toxic to Reproduction Category1:	Substance known to impair fertility in humans. There is sufficient evidence to establish a causal relationship between human exposure to the substance and impaired fertility. Substances known to cause development toxicity in humans. There is Exposure to the substance and subsequent developmental toxic effects in the progeny.
PBT & vPvB:	Substances which are persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) pose a particular challenge to the chemicals safety management. For these substances a “safe” concentration in the environment cannot be established with sufficient reliability.
Toxic to Reproduction Category 2:	Substances which should be regarded as if they impair fertility in humans. sufficient evidence to provide a strong presumption that human exposure to the substance may result in impaired fertility on the basis of: - Clear evidence in animal studies of impaired fertility in the absence of toxic effects, or, evidence of impaired fertility occurring at around the same does levels as other toxic effects but which is not a secondary nonspecific consequence of the other toxic effects; - Other relevant information Substances which should be regarded as if they cause developmental toxicity to humans. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in developmental toxicity, generally on the basis of: - Clear results in appropriate animal studies where effects have been observed in the absence of signs of marked maternal toxicity, or at around the same dose levels as other toxic effects but which are not a secondary non-specific consequence of the other toxic effects; - Other relevant information.

Photograph of Sample

Figure 1

Figure 2

***** End of Report *****