HUAK TESTING

TEST REPORT

Prepared for:

TPV Electronics (Fujian) Co., Ltd.

Shangzheng, Yuanhong Road, Fuqing City, Fujian Province, PRC

Product:	**2.4G wireless gaming headset**
Model Name:	**AOC GH401, GH401A, GH401B, GH401R, GH401X, G03**
Trade Name:	**AOC**
Date of Test:	**From July 07, 2021 to July 26, 2021**
Date of Report:	**July 26, 2021**
Report Number:	**HK2107071216-1RR**

Prepared by:

Shenzhen HUAK Testing Technology Co., LTD.

1-2/F., BuildingB2, Junfeng Zhongcheng Zhizao Innovation Park, Heping, Fuhai Street, Bao'an District, ShenzhenGuangdong, China

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TEST REPORT

Applicant：	**TPV Electronics (Fujian) Co., Ltd.**
Address：	**Shangzheng, Yuanhong Road, Fuqing City, Fujian Province, PRC**
Manufacturer：	**Dongguan Desheng Industrial Co., Ltd.**
Address：	**Area A5, Shichong Industrial Park, Shipai Town, Dongguan City, China**

The following sample was submitted and identified by/on behalf of the client as:

Sample Name:	Vacuum Cleaner
Sample Model:	AOC GH401
Additional Models:	GH401A, GH401B, GH401R, GH401X, G03
Brand Name:	AOC
Sample Received Date:	July 07, 2021
Testing Period:	From July 07, 2021 to July 26, 2021
Test Result(s):	Please refer to the following page(s).

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Summary of Test Results:

As specified by client, based on the list published by European chemicals agency (ECHA) for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the two hundred and nineteen (219) Substances of Very High Concern (SVHC) in the submitted sample.

TEST REQUEST	**CONCLUSION**
According to the ruling of the Court of Justice of the European Union on the definition of an article under REACH, and the specified scope and evaluation screening, the test results of SVHC are ≤0.1%(w/w) in the articles of the submitted sample.	PASS

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Signed for and on behalf of HUAK

Approved by: _____

Lab Manager

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Test method:

With reference to in- house method, Analysis is performed by ICP-AES, UV-VIS, GC/MS, HPLC/MS and IC.

Test Portions:

(1) = Mixture of Metal Parts

(2) =Mixture of nonmetal Parts

A = Calculated Mixture of (1) and (2)

Report Results:

The first fifteen substances of SVHC (Released in Oct, 2008)

Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
1	Bis(tributyltin)oxide (TBTO)**	56-35-9	200-268-0	0.005	N.D.
2	Diarsenic pentaoxide**	1303-28-2	215-116-9	0.01	N.D.
3	Diarsenic trioxide**	1327-53-3	215-481-4	0.01	N.D.
4	Triethyl arsenate**	15606-95-8	427-700-2	0.01	N.D.
5	Lead hydrogen arsenate**	7784-40-9	232-064-2	0.01	N.D.
6	Cobalt dichloride**	7646-79-9	231-589-4	0.01	N.D.
7	Sodium dichromate **	7789-12-0, 10588-01-9	234-190-3	0.01	N.D.
8	Anthracene	120-12-7	204-371-1	0.005	N.D.
9	4,4'-Diaminodiphenylmethane (MDA)	101-77-9	202-974-4	0.005	N.D.
10	Dibutyl phthalate (DBP)	84-74-2	201-557-4	0.005	N.D.
11	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	0.005	N.D.
12	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	0.005	N.D.
13	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	204-211-0	0.005	N.D.
14	Hexabromocyclododecane(HBCDD) and all major diastereoisomers identified Δ	25637-99-4, 3194-55-6 (134237-50-6, 134237-51-7, 134237-52-8)	247-148-4, 221-695-9	0.005	N.D.
15	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	0.01	N.D.

The second fifteen substances of SVHC (Released in Jan, 2010 and Mar, 2010)

Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
16	Anthracene oil	90640-80-5	292-602-7	0.05	N.D.
17	Anthracene oil, anthracene paste,distn. lights	91995-17-4	295-278-5	0.05	N.D.

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Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
18	Anthracene oil, anthracene paste,anthracene fraction	91995-15-2	295-275-9	0.05	N.D.
19	Anthracene oil, anthracene-low	90640-82-7	292-604-8	0.05	N.D.
20	Anthracene oil, anthracene paste	90640-81-6	292-603-2	0.05	N.D.
21	Pitch, coal tar, high temp.	65996-93-2	266-028-2	0.05	N.D.
22	Acrylamide	79-06-1	201-173-7	0.01	N.D.
23	2,4-Dinitrotoluene	121-14-2	204-450-0	0.01	N.D.
24	Diisobutyl phthalate(DIBP)	84-69-5	201-553-2	0.005	N.D.
25	Lead chromate**	7758-97-6	231-846-0	0.05	N.D.
26	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) **	12656-85-8	235-759-9	0.05	N.D.
27	Lead sulfochromate yellow (C.I.Pigment Yellow 34) **	1344-37-2	215-693-7	0.05	N.D.
28	Tris(2-chloroethyl)phosphate	115-96-8	204-118-5	0.01	N.D.

The third eight substances of SVHC (Released in Jun, 2010)

Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
29	Trichloroethylene	79-01-6	201-167-4	0.005	N.D.
30	Boric acid**	10043-35-3/ 11113-50-1	233-139-2/ 234-343-4	0.01	N.D.
31	Disodium tetraborate, anhydrous**	1330-43-4/ 12179-04-3/ 1303-96-4	215-540-4	0.01	N.D.
32	Tetraboron disodium heptaoxide, hydrate**	12267-73-1	235-541-3	0.01	N.D.
33	Sodium chromate**	7775-11-3	231-889-5	0.01	N.D.
34	Potassium chromate**	7789-00-6	232-140-5	0.01	N.D.
35	Ammonium dichromate**	7789-09-5	232-143-1	0.01	N.D.
36	Potassium dichromate**	7778-50-9	231-906-6	0.01	N.D.

The fourth eight substances of SVHC (Released in Dec, 2010)

Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
37	Cobalt(II) sulphate**	10124-43-3	233-334-2	0.01	N.D.
38	Cobalt(II) dinitrate**	10141-05-6	233-402-1	0.01	N.D.

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Code	Test Item		CAS No.	EC No.	Report Limit (%)	Report Results (%)
						A
39	Cobalt(II) carbonate**		513-79-1	208-169-4	0.01	N.D.
40	Cobalt(II) diacetate**		71-48-7	200-755-8	0.01	N.D.
41	2-Methoxyethanol		109-86-4	203-713-7	0.005	N.D.
42	2-Ethoxyethanol		110-80-5	203-804-1	0.005	N.D.
43	Chromium trioxide**		1333-82-0	215-607-8	0.01	N.D.
44	Acids generated from chromium trioxide and their oligomers	Chromic acid**	7738-94-5	231-801-5	0.01	N.D.
		Dichromic acid**	13530-68-2	236-881-5	0.01	N.D.
		Oligomers of chromic acid and dichromic acid**	--	--	0.01	N.D.

The fifth seven substances of SVHC (Released in Jun, 2011)

Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
45	2-Ethoxyethyl acetate	111-15-9	203-839-2	0.01	N.D.
46	Strontium chromate**	7789-06-2	232-142-6	0.01	N.D.
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters(DHNUP)*	68515-42-4	271-084-6	0.01	N.D.
48	Hydrazine	7803-57-8 302-01-2	206-114-9	0.01	N.D.
49	1-Methyl-2-pyrrolidone	872-50-4	212-828-1	0.01	N.D.
50	1,2,3-Trichloropropane	96-18-4	202-486-1	0.01	N.D.
51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters,C7-rich(DIHP)	71888-89-6	276-158-1	0.01	N.D.

The sixth twenty substances of SVHC (Released in Dec, 2011)

Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
52	Dichromium tris(chromate)**	24613-89-6	246-356-2	0.01	N.D.
53	Potassium hydroxyoctaoxodizincatedichromate**	11103-86-9	234-329-8	0.01	N.D.
54	Pentazinc chromate octahydroxide**	49663-84-5	256-418-0	0.01	N.D.
55	Aluminosilicate Refractory Ceramic Fibres (RCF)**	-	-	0.05	N.D.

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Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
56	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)**	-	-	0.05	N.D.
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	0.01	N.D.
58	Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	204-212-6	0.005	N.D.
59	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	0.005	N.D.
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	205-426-2	0.005	N.D.
61	1,2-Dichloroethane	107-06-2	203-458-1	0.005	N.D.
62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	0.005	N.D.
63	Arsenic acid**	7778-39-4	231-901-9	0.01	N.D.
64	Calcium arsenate**	7778-44-1	231-904-5	0.01	N.D.
65	Trilead diarsenate**	3687-31-8	222-979-5	0.01	N.D.
66	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	0.005	N.D.
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	0.005	N.D.
68	Phenolphthalein	77-09-8	201-004-7	0.005	N.D.
69	Lead diazide Lead azide **	13424-46-9	236-542-1	0.01	N.D.
70	Lead styphnate**	15245-44-0	239-290-0	0.01	N.D.
71	Lead dipicrate**	6477-64-1	229-335-2	0.01	N.D.

The seventh thirteen substances of public comment substances (Released in28 February 2012)

Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3	0.01	N.D.
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	0.01	N.D.
74	Diboron trioxide**	1303-86-2	215-125-8	0.01	N.D.
75	Formamide	75-12-7	200-842-0	0.01	N.D.
76	Lead(II) bis(methanesulfonate) **	17570-76-2	401-750-5	0.01	N.D.
77	TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	219-514-3	0.01	N.D.
78	β-TGIC(1,3,5-tris[(2Sand2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	423-400-0	0.01	N.D.
79	4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	202-027-5	0.01	N.D.

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Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	0.01	N.D.
81	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)§	548-62-9	208-953-6	0.01	N.D.
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)§	2580-56-5	219-943-6	0.01	N.D.
83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)§	6786-83-0	229-851-8	0.01	N.D.
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol§	561-41-1	209-218-2	0.01	N.D.

The eighth fifty-four substances of Very High Concem (Released in Dec, 2012)

Code	Test Item	CAS NO	EC No	Report Limit (%)	Report Results (%)
					A
85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	214-604-9	0.05	N.D.
86	Pentacosafluorotridecanoic acid	72629-94-8	276-745-2	0.05	N.D.
87	Tricosafluorododecanoic acid	307-55-1	206-203-2	0.05	N.D.
88	Henicosafluoroundecanoic acid	2058-94-8	218-165-4	0.05	N.D.
89	Heptacosafluorotetradecanoic acid	376-06-7	206-803-4	0.05	N.D.
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	--	--	0.05	N.D.
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	--	--	0.05	N.D.
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	0.05	N.D.
93	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	85-42-7	201-604-9	0.05	N.D.
94	Hexahydromethylphathalicanhydride, Hexahydro-4-methylphathalicanhydride, Hexahydro-1-methylphathalicanhydride, Hexahydro-3-methylphathalic anhydride☆	247-094-1, 243-072-0, 256-356-4, 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	0.05	N.D.
95	Methoxy acetic acid	625-45-6	210-894-6	0.05	N.D.

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Code	Test Item	CAS NO	EC No	Report Limit (%)	Report Results (%)
					A
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	0.05	N.D.
97	Diisopentylphthalate (DIPP)	605-50-5	210-088-4	0.05	N.D.
98	N-pentyl-isopentylphtalate	776297-69-9	--	0.05	N.D.
99	1,2-Diethoxyethane	629-14-1	211-076-1	0.05	N.D.
100	N,N-dimethylformamide; dimethyl formamide	68-12-2	200-679-5	0.05	N.D.
101	Dibutyltin dichloride (DBT)	683-18-1	211-670-0	0.01	N.D.
102	Acetic acid, lead salt, basic	51404-69-4	257-175-3	0.01	N.D.
103	Basic lead carbonate (trilead bis(carbonate)dihydroxide)	1319-46-6	215-290-6	0.01	N.D.
104	Lead oxide sulfate (basic lead sulfate)	12036-76-9	234-853-7	0.01	N.D.
105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)	69011-06-9	273-688-5	0.01	N.D.
106	Dioxobis(stearato)trilead	12578-12-0	235-702-8	0.01	N.D.
107	Fatty acids, C16-18, lead salts	91031-62-8	292-966-7	0.01	N.D.
108	Lead bis(tetrafluoroborate)	13814-96-5	237-486-0	0.01	N.D.
109	Lead cynamidate	20837-86-9	244-073-9	0.01	N.D.
110	Lead dinitrate	10099-74-8	233-245-9	0.01	N.D.
111	Lead oxide (lead monoxide)	1317-36-8	215-267-0	0.01	N.D.
112	Lead tetroxide (orange lead)	1314-41-6	215-235-6	0.01	N.D.
113	Lead titanium trioxide	12060-00-3	235-038-9	0.01	N.D.
114	Lead Titanium Zirconium Oxide	12626-81-2	235-727-4	0.01	N.D.
115	Pentalead tetraoxide sulphate	12065-90-6	235-067-7	0.01	N.D.
116	Pyrochlore, antimony lead yellow	8012-00-8	232-382-1	0.01	N.D.
117	Silicic acid, barium salt, lead-doped	68784-75-8	272-271-5	0.01	N.D.
118	Silicic acid, lead salt	11120-22-2	234-363-3	0.01	N.D.
119	Sulfurous acid, lead salt, dibasic	62229-08-7	263-467-1	0.01	N.D.
120	Tetraethyllead	78-00-2	201-075-4	0.01	N.D.
121	Tetralead trioxide sulphate	12202-17-4	235-380-9	0.01	N.D.
122	Trilead dioxide phosphonate	12141-20-7	235-252-2	0.01	N.D.
123	Furan	110-00-9	203-727-3	0.05	N.D.
124	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	200-879-2	0.05	N.D.
125	Diethyl sulphate	64-67-5	200-589-6	0.05	N.D.
126	Dimethyl sulphate	77-78-1	201-058-1	0.05	N.D.
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	0.05	N.D.
128	Dinoseb	88-85-7	201-861-7	0.05	N.D.
129	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	0.05	N.D.
130	4,4'-oxydianiline and its salts	101-80-4	202-977-0	0.05	N.D.

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Code	Test Item	CAS NO	EC No	Report Limit (%)	Report Results (%)
					A
131	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	200-453-6	0.05	N.D.
132	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	202-453-1	0.05	N.D.
133	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	0.05	N.D.
134	Biphenyl-4-ylamine	92-67-1	202-177-1	0.05	N.D.
135	o-aminoazotoluene	97-56-3	202-591-2	0.05	N.D.
136	o-Toluidine; 2-Aminotoluene	95-53-4	202-429-0	0.05	N.D.
137	N-methylacetamide	79-16-3	201-182-6	0.05	N.D.
138	1-bromopropane; n-propyl bromide	106-94-5	203-445-0	0.05	N.D.

The ninth six Substances of Very High Conem (Released in Jun,2013)

Code	Test Item	CAS NO	EC No	Report Limit (%)	Report Results (%)
					A
139	Cadmium	7440-43-9	231-152-8	0.01	N.D.
140	Cadmium oxide	1306-19-0	215-146-2	0.01	N.D.
141	Dipentyl phthalate (DPP)	131-18-0	205-017-9	0.01	N.D.
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]	--	--	0.05	N.D.
143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	0.01	N.D.
144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	0.01	N.D.

The tenth seven Substances of Very High Conem (Released in Dec,2013)

Code	Test Item	CAS NO	EC No	Report Limit (%)	Report Results (%)
					A
145	Cadmium sulfide**	1306-23-6	215-147-8	0.01	N.D.
146	Dihexyl phthalate	84-75-3	201-559-5	0.01	N.D.
147	CI Direct red 28	573-58-0	209-358-4	0.01	N.D.
148	CI Direct black 38	1937-37-7	217-710-3	0.01	N.D.
149	2-imidazoline-2-thiol	96-45-7	202-506-9	0.01	N.D.
150	Lead di(acetate) **	301-04-2	206-104-4	0.01	N.D.
151	Trixylyl phosphate	25155-23-1	246-677-8	0.01	N.D.

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The eleventh four Substances of Very High Conem (Released in Jun,2014)

Code	Test Item	CAS NO	EC No	Report Limit (%)	Report Results(%)
					A
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	0.01	N.D.
153	Cadmium chloride**	10108-64-2	233-296-7	0.01	N.D.
154	Sodium perborate; perboric acid, sodium salt**	--	239-172-9 234-390-0	0.01	N.D.
155	Sodium peroxometaborate**	7632-04-4	239-172-9	0.01	N.D.

The Twelfth six Substances of Very High Conem (Released in Dec,2014)

Code	Test Item	CAS NO	EC No	Report Limit (%)	Report Results(%)
					A
156	Cadmium fluoride**	7790-79-6	232-222-0	0.01	N.D.
157	Cadmium sulphate**	10124-36-4, 31119-53-6	233-331-6	0.01	N.D.
158	2-(2'-Hydroxy-3',5'-di-tert-butylphenyl)benzotriazole(UV-320)	3846-71-7	223-346-6	0.05	N.D.
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	0.05	N.D.
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate; DOTE	15571-58-1	239-622-4	0.01	N.D.
161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	--	--	0.05	N.D.

The Thirteenth two Substances of Very High Conem (Released in Jun,2015)

Code	Test Item	CAS NO	EC No	Report Limit (%)	Report Results(%)
					A
162	1,2-benzenedicarboxylic acid,di-C6-10-alkyl esters	68515-51-5 68648-93-1	271-094-0 272-013-1	0.05	N.D.
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-q,3-dioxane[2] [covering any of the individual isomers of[1]and[2]or any combination thereof]	--	--	0.05	N.D.

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The Fourteen five Substances of Very High Conem (Released in Dec,2015)

Code	Test Item	CAS NO	EC No	Report Limit (%)	Report Results(%)
					A
164	Nitrobenzene	98-95-3	202-716-0	0.05	N.D.
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	0.05	N.D.
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	0.05	N.D.
167	1,3-propanesultone	1120-71-4	214-317-9	0.05	N.D.
168	Perfluorononan-1-oic-acid and its sodium andammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3	0.05	N.D.

The Fifteenth one Substances of Very High Conem (Released in Jun,2016)

Code	Test Item	CAS NO	EC No	Report Limit (%)	Report Results(%)
					A
169	Benzo(a)pyrene	50-32-8	200-028-5	0.005	N.D.

The Sixteen four Substance of Very High Concern (Released in Jan, 2017)

Code	Test Item	CAS NO	EC No	Report Limit (%)	Report Results(%)
					A
170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	201-245-8	0.005	N.D.
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2 3830-45-3 3108-42-7	206-400-3 - 221-470-5	0.005	N.D.
172	p-(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	0.005	N.D.
173	4-heptylphenol, branched and linear (4-HPbl)	---	---	0.005	N.D.

The Seventeen one Substance of Very High Concern (Released in Jul, 2017)

Code	Test Item	CAS NO	EC No	Report Limit (%)	Report Results(%)
					A
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	---	---	0.005	N.D.

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The Eighteen seven Substances of Very High Concern (Released in Jan, 2018)

Code	Test Item	CAS NO	EC No	Report Limit (%)	Report Results(%)
					A
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]	---	---	0.0005	N.D.
176	Benz[a]anthracene	56-55-3, 1718-53-2	200-280-6	0.005	N.D.
177	Cadmium nitrate**	10022-68-1, 10325-94-7	233-710-6	0.01	N.D.
178	Cadmium carbonate**	513-78-0	208-168-9	0.01	N.D.
179	Cadmium hydroxide**	21041-95-2	244-168-5	0.01	N.D
180	Chrysene	218-01-9, 1719-03-5	205-923-4	0.005	N.D
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	---	---	0.0005	N.D

The Nineteenth ten Substances of Very High Concern (Released in Jun, 2018)

Code	Test Item	CAS NO	EC No	Report Limit (%)	Report Results(%)
					A
182	Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	0.01	N.D.
183	Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	0.01	N.D.
184	Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	0.01	N.D.
185	Lead**	7439-92-1	231-100-4	0.01	N.D.
186	Disodium octaborate**	12008-41-2	234-541-0	0.01	N.D
187	Benzo[ghi]perylene	191-24-2	205-883-8	0.01	N.D
188	Terphenyl hydrogenated	61788-32-7	262-967-7	0.01	N.D
189	Ethylenediamine (EDA)	107-15-3	203-468-6	0.01	N.D
190	Trimellitic anhydride (TMA)	552-30-7	209-008-0	0.01	N.D
191	Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	0.01	N.D

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The Twentieth six substances of SVHC (Released in Jan, 2019)

Code	Test Item	CAS NO	EC No	Report Limit (%)	Report Results(%)
					A
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	0.01	N.D.
193	Benzo[[k]fluoranthene(BkF)	207-08-9	205-916-6	0.01	N.D.
194	Fluoranthene(FLT)	206-44-0	205-912-4	0.01	N.D.
195	Phenanthrene(PHE)	85-01-8	201-581-5	0.01	N.D.
196	Pyrene(PYR)	129-00-0	204-927-3	0.01	N.D
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	239-139-9	0.01	N.D

The Twenty-first batch of four SVHC (Released in July 16, 2019)

Code	Test Item	CAS NO	EC No	Report Limit (%)	Report Results(%)
					A
198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	---	---	0.01	N.D.
199	2-methoxyethyl acetate	110-49-6	203-772-9	0.01	N.D.
200	4-tert-butylphenol	98-54-4	202-679-0	0.01	N.D.
201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with≥0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	---	---	0.01	N.D.

The Twenty-two batch of four SVHC (Released in Jan, 2020)

Code	Test Item	CAS NO	EC No	Report Limit (%)	Report Results(%)
					A
202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	0.01	N.D.
203	2-methyl-1- (4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	0.01	N.D.
204	Diisohexyl phthalate	71850-09-4	276-090-2	0.01	N.D.
205	Perfluorobutane sulfonic acid (PFBS) and its salts	---	---	0.01	N.D.

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The Twenty-three batch of four SVHC (released in Jun 25, 2020)

Code	Test Item	CAS NO	EC No	Report Limit (%)	Report Results(%)
					A
206	1-vinylimidazole	1072-63-5	214-012-0	0.005	N.D.
207	2-methylimidazole	693-98-1	211-765-7	0.005	N.D.
208	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	245-152-0	0.01	N.D.
209	Butyl 4-hydroxybenzoate	94-26-8	202-318-7	0.005	N.D.

The Twenty-four batch of two SVHC (Released in January 19, 2021)

Code	Test Item	CAS NO	EC No	Report Limit (%)	Report Results(%)
					A
210	Bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	205-594-7	0.005	N.D.
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	---	---	0.005	N.D.

The Twenty-fifth batch of eight SVHC (Released in July 08, 2021)

Code	Test Item	CAS NO	EC No	Report Limit (%)	Report Results(%)
					A
212	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)	---	---	0.005	N.D.
213	Orthoboric acid, sodium salt	13840-5-67	237-560-2	0.005	N.D.
214	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]			0.005	N.D.
215	Glutaral	111-30-8	203-856-5	0.005	N.D.
216	4,4'-(1-methylpropylidene) bisphenol (bisphenol B)	77-40-7	201-025-1	0.005	N.D.
217	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	---	---	0.005	N.D.

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Code	Test Item	CAS NO	EC No	Report Limit (%)	Report Results(%)
					A
218	2,2-bis(bromomethyl)propane1,3-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)	---	---	0.005	N.D.
219	1,4-dioxane	123-91-1	204-661-8	0.005	N.D.

Note:

1.mg/kg =ppm=10^{-6}

2. %=w/w

3. N.D. : < Report Limit .

4. The boron compound results were converted from the boron element extracted by water by THE ICP-OES test .

5. The diastereomers of hexabromocyclododecane (HBCDD) -- -HBCDD and -HBCDD have CAS NO of 134237-50-6, 134237-51-7 and 134237-52-8, respectively.

6. ☆ Methyl hexahydrophthalic anhydride, 4-methyl hexahydrophthalic anhydride, 1-methyl hexahydrophthalic anhydride, 3-methyl hexahydrophthalic anhydride

CAS No: 25550-51-0, 19438-60-9, 4848122-14-1, 57110-29-9 and ITS EC No: 247-094-1, 243-072-0, 256-356-4, 260-566-1;

7. § A substance is proposed for SVHC only if it contains either Miltonic (CAS No.: 90-94-8) or Miltonic (CAS No.: 101-61-1) at a concentration ≥ 0.1%(W/W);

8. * The detected DHNUP are consisted of six phthalates which CAS number are 85507-79-5, 68515-44-6, 68515-45-7, 111381-89-6, 111381-90-9 and 111381-91-0. according to the Annex 15 of REACH.

9. ** 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.

10. Report Results: Based on measurements in most cases will identify the chemical constituents in the sample but not necessarily “the substance” which were originally used to produce the article, professional consults, products information, testing processes, features of materials, characteristics of the SVHC and chemical analysis etc to obtain the assessments results according to the 5.2 item of the second version of ECHA “Guidance on requirements for substances in articles”, 2011.

11. Report Limit: Be obtained from the uncertainty, the 0.1 % threshold and the ECHA “Guidance on requirements for substances in articles”.

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Remark :

(1) The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA .

(A) http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp.

(B) http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp.

(C) http://echa.europa.eu/chem_data/reg_int_tables/reg_int_curr_int_en.asp#current_svhc .

These lists are under evaluation by ECHA and may subject to change in the future.

(2) In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

(3) From 28 October 2008, EU & EEA suppliers of articles which contain substances on the Candidate List in a concentration above 0.1% (w/w) must provide sufficient information, available to them, to their customers and on request to a consumer within 45 days of the receipt of this request. This information must ensure safe use of the article and, as a minimum, include the name of the substance.

(4) If a SVHC is found over the reporting limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

(5) Carries out equal ratio mixing test based on customer requirements, and the test results are calculated based on the minimum sample mass.

(6) In view of the limitations of analysis requirements and sample size, only the parts/materials in the finished product that are sufficient to be tested are screened.

**** Modified History ****

Revision	Description	Issued Data	Remark
Revision 1.0	Initial Test Report Release	2021/07/26	Jason Zhou

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Photograph of Sample

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HUAK Testing Lab TEL : +86-755 2302 9901 FAX : +86-755 2302 9901 E-mail : service@cer-mark.com

1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

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

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