TEST REPORT

Applicant	:	**MegaSig Measurement and Control Technology Co., Ltd.**
Address	:	**Room 403, Building 63, Majialong Industrial Zone, Nantou Street, Nanshan District, Shenzhen**
Manufacturer's name	:	**MegaSig Measurement and Control Technology Co., Ltd.**
Address	:	**Room 403, Building 63, Majialong Industrial Zone, Nantou Street, Nanshan District, Shenzhen**

Report on the submitted samples said to be:

Sample Name	:	Smart Dongle
Trade Mark	:	MegaSig
Tested model	:	U980
Series models	:	U980
Testing Period	:	August 03, 2021 ~ August 09, 2021
Date of issue	:	August 17, 2021
Results	:	Please refer to next page(s).

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TEST REQUEST

As specified by client, refer to EU Regulation (EC) No 1907/2006 (REACH), to screen two hundred and nineteen (219) Substances of Very High Concern (SVHC) in the submitted sample. The list is the one that is published by European Chemicals Administration (ECHA) on July 08, 2021, the results of testing are all less than 0.1%(w/w) in the articles of the submitted sample.

Conclusion

Pass

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Signed for and on behalf of AZT

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Sample Description

A1	Mixture of nonmetal parts
A2	Mixture of metal parts

A. SVHC testing results:

No.	Items	CAS No.	EC No.	MDL (mg/kg)	Total (mg/kg)	
					(A1)	(A2)
--	tested SVHCs in Chemical list	/	/	/	N.D.	N.D.

B. Tested SVHC Chemical list:

No.	Items	CAS No.	EC No.	Report Limit
The first 15 SVHC (Announced in October, 2008) Unit: %				
1	Anthracene	120-12-7	204-371-1	0.0050
2	4,4'-Diaminodiphenylmethane	101-77-9	202-974-4	0.0050
3	Dibutyl phthalate (DBP)	84-74-2	201-557-4	0.0050
4	Di-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	204-211-0	0.0050
5	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	0.0050
6	Bis(tributyltin)oxide (TBTO)	56-35-9	200-268-0	0.0050
7	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	0.0050
8	Hexabromocyclododecane and all major diastereoisomers identified:(α-HBCDD, β-HBCDD,γ-HBCDD)(HBCDD)	25637-99-4, 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)	247-148-4/ 221-695-9	0.0050
9	Short Chain Chlorinated Paraffins (SCCPs)	85535-84-8	287-476-5	0.0100
10*	Lead hydrogen arsenate*	7784-40-9	232-064-2	0.0500
11*	Triethyl arsenate*	15606-95-8	427-700-2	0.0500
12*	Diarsenic pentaoxide*	1303-28-2	215-116-9	0.0500
13*	Diarsenic trioxide*	1327-53-3	215-481-4	0.0500
14*	Cobalt dichloride*	7646-79-9	231-589-4	0.0500
15*	Sodium dichromate*	7789-12-0, 10588-01-9	234-190-3	0.0500
The second 13 SVHC (Announced in January and March,2010) Unit: %				
16	①Anthracene oil	90640-80-5	292-602-7	0.0500
17	①Anthracene oil, anthracene paste, distn. Lights****	91995-17-4	295-278-5	0.0500

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No.	Items	CAS No.	EC No.	Report Limit
The second 13 SVHC (Announced in January and March,2010) Unit: %				
18	①Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	0.0100
19	①Anthracene oil, anthracene-low	90640-82-7	292-604-8	0.0100
20	①Anthracene oil, anthracene paste	90640-81-6	292-603-2	0.0100
21	Diisobutyl phthalate (DIBP)	84-69-5	201-553-2	0.0100
22	2,4-Dinitrotoluene	121-14-2	204-450-0	0.0100
23*	②Lead chromate	7758-97-6	231-846-0	0.0100
24*	②Lead chromate molybdate sulphate red (C.I. Pigment Red 104) ***	12656-85-8	235-759-9	0.0100
25*	②Leadsulfochromate yellow (C.I. Pigment Yellow 34) ***	1344-37-2	215-693-7	0.0100
26	①Pitch, coal tar, high temperature	65996-93-2	266-028-2	0.0100
27	Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	204-118-5	0.0100
28	Acrylamide	79-06-1	201-173-7	0.0100
The third 8 SVHC (Announced in June, 2010) Unit: %				
29	Trichloroethylene	79-01-6	201-167-4	0.0100
30*	Boric acid*	10043-35-3/ 11113-50-1	233-139-2 234-343-4	0.0100
31*	Disodium tetraborate, anhydrous*	1330-43-4 12179-04-3 1303-96-4	215-540-4	0.0100
32*	Tetraboron disodium heptoxide, hydrate*	12267-73-1	235-541-3	0.0100
33*	Sodium chromate*	7775-11-3	231-889-5	0.0100
34*	Potassium chromate*	7789-00-6	232-140-5	0.0100
35*	Ammonium dichromate*	7789-09-5	232-143-1	0.0100
36*	Potassium dichromate*	7778-50-9	231-906-6	0.0100
The fourth 8 SVHC (Announced in December,2010) Unit: %				
37*	Chromium trioxide*	1333-82-0	215-607-8	0.00500
38	2-Methoxyethanol	109-86-4	203-713-7	0.00500
39	2-Ethoxyethanol	110-80-5	203-804-1	0.00500
40*	Cobalt (II) diacetate*	71-48-7	200-755-8	0.00500
41*	Cobalt (II) carbonate*	513-79-1	208-169-4	0.00500
42*	Cobalt (II) dinitrate*	10141-05-6	233-402-1	0.00500
43*	Cobalt (II) sulphate*	10124-43-3	233-334-2	0.00500

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No.	Items	CAS No.	EC No.	Report Limit
The fourth 8 SVHC (Announced in December,2010) Unit: %				
44*	Acids generated from chromium trioxide* and their oligomers: Chromic acid, Dichromic acid Oligomers of chromic acid and dichromic acid	7738-94-5 13530-68-2	231-801-5 236-881-5	0.00500
The fifth 7 SVHC (Announced in June, 2011) Unit: %				
45	(2-EEA)2-ethoxyethyl acetate	111-15-9	203-839-2	0.0100
46*	strontium chromate*	7789-06-2	232-142-6	0.0500
47	①1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	271-084-6	0.0500
48	Hydrazine	7803-57-8 302-01-2	206-114-9	0.0100
49	1-methyl-2-pyrrolidone	872-50-4	212-828-1	0.0100
50	1,2,3-trichloropropane	96-18-4	202-486-1	0.0100
51	①1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	276-158-1	0.0500
The sixth 20 SVHC (Announced in December, 2011) Unit: %				
52*	②Aluminosilicate, Refractory Ceramic Fibers	—	650-017-00-8**	0.0500
53*	②Zirconia Aluminosilicate, Refractory Ceramic Fibres	—	650-017-00-8**	0.0500
54*	Dichromium tris(chromate) *	24613-89-6	246-356-2	0.0500
55*	Potassium hydroxyoctaoxodizincate di-chromate*	11103-86-9	234-329-8	0.0500
56*	Pentazinc chromate octahydroxide (C.I. pigment yellow 36) ***	49663-84-5	256-418-0	0.0500
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	0.0500
58	Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	204-212-6	0.0050
59	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	0.0100
60	4-(1,1,3,3-tetramethylbutyl) phenol, (4-tert-Octylphenol)	140-66-9	205-426-2	0.0100
61	1,2-Dichloroethane	107-06-2	203-458-1	0.0100
62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	0.0100
63*	Arsenic acid*	7778-39-4	231-901-9	0.0500
64*	Calcium arsenate*	7778-44-1	231-904-5	0.0500
65*	Trileaddiarsenate*	3687-31-8	222-979-5	0.0500
66	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	0.0100

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No.	Items	CAS No.	EC No.	Report Limit
The sixth 20 SVHC (Announced in December, 2011) Unit: %				
67	Phenolphthalein	77-09-8	201-004-7	0.0500
68	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	0.0100
69*	Lead azide; Lead diazide*	13424-46-9	236-542-1	0.0500
70*	Lead styphnate*	15245-44-0	239-290-0	0.0500
71*	Lead dipicrate*	6477-64-1	229-335-2	0.0500
The seventh 13 SVHC (Announced in June, 2012) Unit: %				
72	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	203-977-3	0.0100
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	0.0100
74*	Diboron trioxide*	1303-86-2	215-125-8	0.0500
75	Formamide	75-12-7	200-842-0	0.0100
76*	Lead (II)bis(methanesulfonate)*	17570-76-2	401-750-5	0.0500
77	TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	219-514-3	0.0500
78	β-TGIC (1,3,5-tris [(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	423-400-0	0.0500
79	4,4'-bis(dimethylamino)benzophenone (Michler'sketone)	90-94-8	202-027-5	0.0100
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler'sbase)	101-61-1	202-959-2	0.0100
81	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. BasicViolet 3)	548-62-9	208-953-6	0.0500
82	[4-[[4-anilino-1-naphthyl] [4-(dimethylamino) phenyl] methylene] cyclohexa-2,5-dien-1-ylidene] dimethylammoniumchloride (C.I. Basic Blue 26)	2580-56-5	219-943-6	0.0500
83	α-Bis[4-(dimethylamino) phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8	0.0500
84	4,4'-bis(dimethylamino)-4"-(methylamino)trityl alcohol	561-41-1	209-218-2	0.0100
The eighth 54 SVHC (Announced in December, 2012) Unit: %				
85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	214-604-9	0.0050
86	Pentacosafluorotridecanoic acid	72629-94-8	276-745-2	0.0100
87	Tricosafluorododecanoic acid	307-55-1	206-203-2	0.0100

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No.	Items	CAS No.	EC No.	Report Limit
The eighth 54 SVHC (Announced in December, 2012) Unit: %				
88	Henicosafluoroundecanoic acid	2058-94-8	218-165-4	0.0100
89	Heptacosafluorotetradecanoic acid	376-06-7	206-803-4	0.0100
90	①4-(1,1,3,3-tetramethylbutyl) phenol, ethoxylated -covering well-defined substances and UVCBsubstances, polymers and homologues	—	—	0.0100
91	①4-Nonylphenol, branched and linear - substances with a linear and/or branched alkyl chainwith a carbon number of 9 covalently bound inposition 4 to phenol, covering also UVCB- andwell-defined substances which include any of theindividual isomers or a combination thereof	—	—	0.0100
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	0.0100
93	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	85-42-7	201-604-9	0.0100
94	Hexahydromethylphathalic anhydride, Hexahydro-4-methylphathalicanhydride, Hexahydro-1-methylphathalic anhydride, Hexahydro-3-methylphathalic 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	0.0100
95	Methoxy acetic acid	625-45-6	210-894-6	0.0100
96	1,2-Benzenedicarboxylic acid, dipentylester,branched and linear	84777-06-0	284-032-2	0.0100
97	Diisopentylphthalate (DIPP)	605-50-5	210-088-4	0.0100
98	N-pentyl-isopentylphtalate	776297-69-9	—	0.0100
99	1,2-Diethoxyethane	629-14-1	211-076-1	0.0100
100	N,N-dimethylformamide; dimethyl formamide	68-12-2	200-679-5	0.0100
101	Dibutyltin dichloride (DBT)	683-18-1	211-670-0	0.0100
102*	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	0.0500
103*	Basic lead carbonate (trileadbis(carbonate)dihydroxide) *	1319-46-6	215-290-6	0.0500
104*	*Lead oxide sulfate (basic lead sulfate) *	12036-76-9	234-853-7	0.0500
105*	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)*	69011-06-9	273-688-5	0.0500
106*	*Dioxobis(stearato)trilead*	12578-12-0	235-702-8	0.0500
107*	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	0.0500

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No.	Items	CAS No.	EC No.	Report Limit
The eighth 54 SVHC (Announced in December, 2012) Unit: %				
108*	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	0.0500
109*	Lead cynamidate*	20837-86-9	244-073-9	0.0500
110*	Lead dinitrate*	10099-74-8	233-245-9	0.0500
111*	Lead oxide (lead monoxide) *	1317-36-8	215-267-0	0.0500
112*	Lead tetroxide (orange lead) *	1314-41-6	215-235-6	0.0500
113*	Lead titanium trioxide*	12060-00-3	235-038-9	0.0500
114*	Lead Titanium Zirconium Oxide*	12626-81-2	235-727-4	0.0500
115*	*Pentaleadtetraoxide sulphate*	12065-90-6	235-067-7	0.0500
116*	41***Pyrochlore, antimony lead yellow C.I.***	8012-00-8	232-382-1	0.0500
117*	②Silicic acid, barium salt, lead-doped*	68784-75-8	272-271-5	0.0500
118*	Silicic acid, lead salt*	11120-22-2	234-363-3	0.0500
119*	*Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	0.0500
120*	Tetraethyllead*	78-00-2	201-075-4	0.0500
121*	Tetralead trioxide sulphate*	12202-17-4	235-380-9	0.0500
122*	Trilead dioxide phosphonate*	12141-20-7	235-252-2	0.0500
123	Furan	110-00-9	203-727-3	0.0100
124	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	200-879-2	0.0100
125	Diethyl sulphate	64-67-5	200-589-6	0.0100
126	Dimethyl sulphate	77-78-1	201-058-1	0.0100
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazo lidine	143860-04-2	421-150-7	0.0100
128	Dinoseb	88-85-7	201-861-7	0.0100
129	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	0.0100
130	4,4'-oxydianiline and its salts	101-80-4	202-977-0	0.0100
131	4-Aminoazobenzene;4-Phenylazoaniline	60-09-3	200-453-6	0.0100
132	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	202-453-1	0.0100
133	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	0.0100
134	Biphenyl-4-ylamine	92-67-1	202-177-1	0.0100
135	o-aminoazotoluene	97-56-3	202-591-2	0.0050

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No.	Items	CAS No.	EC No.	Report Limit
The eighth 54 SVHC (Announced in December, 2012) Unit: %				
136	o-Toluidine; 2-Aminotoluene	95-53-4	202-429-0	0.0100
137	N-methylacetamide	79-16-3	201-182-6	0.0100
138	1-bromopropane; n-propyl bromide	106-94-5	203-445-0	0.0100
The ninth 6 SVHC (Announced in June, 2013) Unit: %				
139*	Cadmium	7440-43-9	231-152-8	0.0050
140*	Cadmium oxide*	1306-19-0	215-146-2	0.0500
141	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	0.0100
142	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	0.0100
143	Dipentyl phthalate (DPP)	131-18-0	205-017-9	0.0100
144	①4-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 combinationsthereof]	—	—	0.0500
The tenth 7 SVHC (Announced in December, 2013) Unit: %				
145*	Cadmium sulphide *	1306-23-6	215-147-8	0.0100
146	Dihexyl phthalate	84-75-3	201-559-5	0.0100
147	②Disodium 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	0.0100
148	②Disodium4-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	217-710-3	0.0100
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	202-506-9	0.0100
150*	Lead di(acetate) *	301-04-2	206-104-4	0.0500
151	Trixylyl phosphate	25155-23-1	246-677-8	0.0100

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No.	Items	CAS No.	EC No.	Report Limit
The eleventh 4 SVHC (Announced in June, 2014) Unit: %				
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	0.0100
153*	Cadmium chloride*	10108-64-2	233-296-7	0.0100
154*	Sodium perborate; perboric acid, sodium salt*	—	239-172-9, 234-390-0	0.0100
155*	Sodium peroxometaborate*	7632-04-4	231-556-4	0.0100
The twelfth 6 SVHC (Announced in December, 2014) Unit: %				
156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	0.0100
157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	0.0100
158	Cadmium fluoride*	7790-79-6	232-222-0	0.0500
159	Cadmium sulphate*	10124-36-4; 31119-53-6	233-331-6	0.0500
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4	0.0500
161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-di octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradec anoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-eth ylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-o xa-3,5-dithia-4-stannatetradecanoate (reactio n mass of DOTE and MOTE)	—	—	0.0500
The thirteenth 2 SVHC (Announced in June, 2015) Unit: %				
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	0.0100
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 isomers of [1] and [2] or any combination thereof]	—	—	0.0100
The fourteenth 5 SVHC (Announced in December, 2015) Unit: %				
164	Nitrobenzene	98-95-3	202-716-0	0.0100
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV-327)	3864-99-1	223-383-8	0.0100
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	253-037-1	0.0100
167	1,3-propanesultone	1120-71-4	214-317-9	0.0100
168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafl uorononanoic acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3	0.0100

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No.	Items	CAS No.	EC No.	Report Limit
The fifteenth 1 SVHC (Announced in June, 2016) Unit: %				
169	Benzo[def]chrysene	50-32-8	200-028-5	0.0100
The sixteenth 4 SVHC (Announced in January, 2017) Unit: %				
170	4,4'-isopropylidenediphenol (bisphenol A)(BPA)	80-05-7	201-245-8	0.0100
171	4-heptylphenol, branched and linear (4-HPbl)	—	—	0.0500
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	-- 206-400-3 221-470-5	0.0100
173	4-tert-pentylphenol (PTAP)	80-46-6	201-280-9	0.0100
The seventeenth 1 SVHC (Announced in July, 2017) Unit: %				
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	—	—	0.0100
The eighteenth 7 SVHC (Announced in January, 2018) Unit: %				
175	Dodecachloropentacyclo [12.2.1.16,9.02,13.05,10] octadeca-7,15-diene (“Dechlorane Plus”™) covering any of its individual anti- and syn-isomers or any combination thereof	—	—	0.0500
176	Benz[a]anthracene	56-55-3, 1718-53-2	200-280-6	0.0100
177*	Cadmium nitrate*	10022-68-1, 10325-94-7	233-710-6	0.0500
178*	Cadmium carbonate*	513-78-0	208-168-9	0.0500
179*	Cadmium hydroxide*	21041-95-2	244-168-5	0.0500
180	Chrysene	218-01-9, 1719-03-5	205-923-4	0.0100
181	①Reaction 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)	—	—	0.0500
The nineteenth 10 SVHC (Announced in June, 2018) Unit: %				
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	209-008-0	0.0100
183	Benzo[ghi]perylene	191-24-2	205-883-8	0.0100
184	Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	0.0100
185	Dicyclohexylphthalate(DCHP)	84-61-7	201-545-9	0.0100
186*	Disodium octaborate*	12008-41-2	234-541-0	0.0500
187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	0.0100

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No.	Items	CAS No.	EC No.	Report Limit
The nineteenth 10 SVHC (Announced in June, 2018) Unit: %				
188	Ethylenediamine (EDA)	107-15-3	203-468-6	0.0500
189*	Lead	7439-92-1	231-100-4	0.0100
190	Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	0.0100
191	Terphenyl, hydrogenated	61788-32-7	262-967-7	0.0100
The twentieth 6 SVHC (Announced in January, 2019) Unit: %				
192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	239-139-9	0.0100
193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	0.0100
194	Benzo[k]fluoranthene	207-08-9	205-916-6	0.0100
195	Fluoranthene	206-44-0, 93951-69-0	205-912-4	0.0100
196	Phenanthrene	85-01-8	201-581-5	0.0100
197	Pyrene	129-00-0, 1718-52-1	204-927-3	0.0100
The twenty-first 4 SVHC (Announced in July, 2019) Unit: %				
198	4-tert-butylphenol	98-54-4	202-679-0	0.0100
199	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	--	--	0.0100
200	2-methoxyethyl acetate	110-49-6	203-772-9	0.0100
201	Tris (4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	--	--	0.0100
The twenty- second 4 SVHC (Announced in January 16, 2020) Unit: %				
202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	0.0100
203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	0.0100
204	Diisohexyl phthalate	71850-09-04	276-090-2	0.0100
205	Perfluorobutane sulfonic acid (PFBS) and its salts	/	/	0.0100
The twenty- third 4 SVHC (Announced in June 25, 2020) Unit: %				
206	1-vinylimidazole	1072-63-5	214-012-0	0.0100
207	2-methylimidazole	693-98-1	211-765-7	0.0100
208	Butyl-hydroxybenzoate	94-26-8	202-318-7	0.0100
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	245-152-0	0.0100

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No.	Items	CAS No.	EC No.	Report Limit
The twenty-four 2 SVHC (Announced in January 19, 2021) Unit: %				
210	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	--	--	0.0100
211	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	205-594-7	0.0100
The twenty-five 8 SVHC (Announced in July 08, 2021)Unit: %				
212	1,4-dioxane	123-91-1	204-661-8	
213	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)	3296-90-0 (BMP); 36483-57-5/ 1522-92-5 (TBNPA); 96-13-9 (2,3-DBPA)	221-967-7 (BMP); 253-057-0 (TBNPA); 202-480-9 (2,3-DBPA)	0.0100
214	2 - (4 - tertiary butyl benzyl) acetaldehyde and its stereoisomers	--	--	0.0100
215	4,4'-(1-methylpropylidene) bisphenol; (bisphenol B; BPB)	77-40-7	201-025-1	0.0100
216	Glutaral (Glutaraldehyde; GA)	111-30-8	203-856-5	0.0100
217	Medium Chain Chlorine Paraffin (MCCP) [UVCB substance, consisting of 80% direct chain chloroalkane, carbon chain length between C14 and C17]	--	--	0.0100
218	Orthoboric acid, sodium salt	13840-56-7	237-560-2	0.0100
219	Carbon chain (C12 main, straight or branched chain) mainly in the counteralkyphenolic matter and any single isomer or combination (PDDP)	--	--	0.0100

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Note:

-0.1%=1000mg/kg

-mg/kg=ppm=parts per million

-*: Inorganic SVHC compounds are obtained by converting the test results of cobalt, chloride, sodium, arsenic, chromium, potassium, lead, boron, zirconium, titanium, tin, phosphorus, calcium, zinc, strontium, molybdenum, aluminum and cadmium elements, and confirmed through the appropriate solvent extraction. At the same time, customers are suggested to check the chemical formula table, to further confirm whether above materials are contained.

-**: All refractory ceramic fibers 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).

-***: C.I.: Color Index

-****: Light fractions from distillation

-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.

-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 result of specified heavy metal elements.

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Appendix:

(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:
http://echa.europa.eu/web/guest/candidate-list-table
These lists are under evaluation by ECHA and may subject to change in the future.

(2) Concerning article(s):

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 totalling 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).

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 by 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, the name of that substance in the Candidate List.

(3) Concerning material(s):

Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

(4) Concerning substance and preparation:

If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and its amendments, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:

-a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.

-a mixture that is classified as hazardous under the CLP Regulation (EC) No 1272/2008, when it contains a substance with concentration equal to, or greater than the classification limit as set in Regulation (EC) No. 1272/2008; or

-a mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008, but contains either:

(a) a substance posing human health or environmental hazards in an individual concentration of ≥ 1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or ≥ 0.2 % by volume for gaseous mixtures; or

(b) a substance that is PBT, or vPvB in an individual concentration of ≥ 0.1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or

(c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures; or

(d) a substance for which there are Europe-wide workplace exposure limits.

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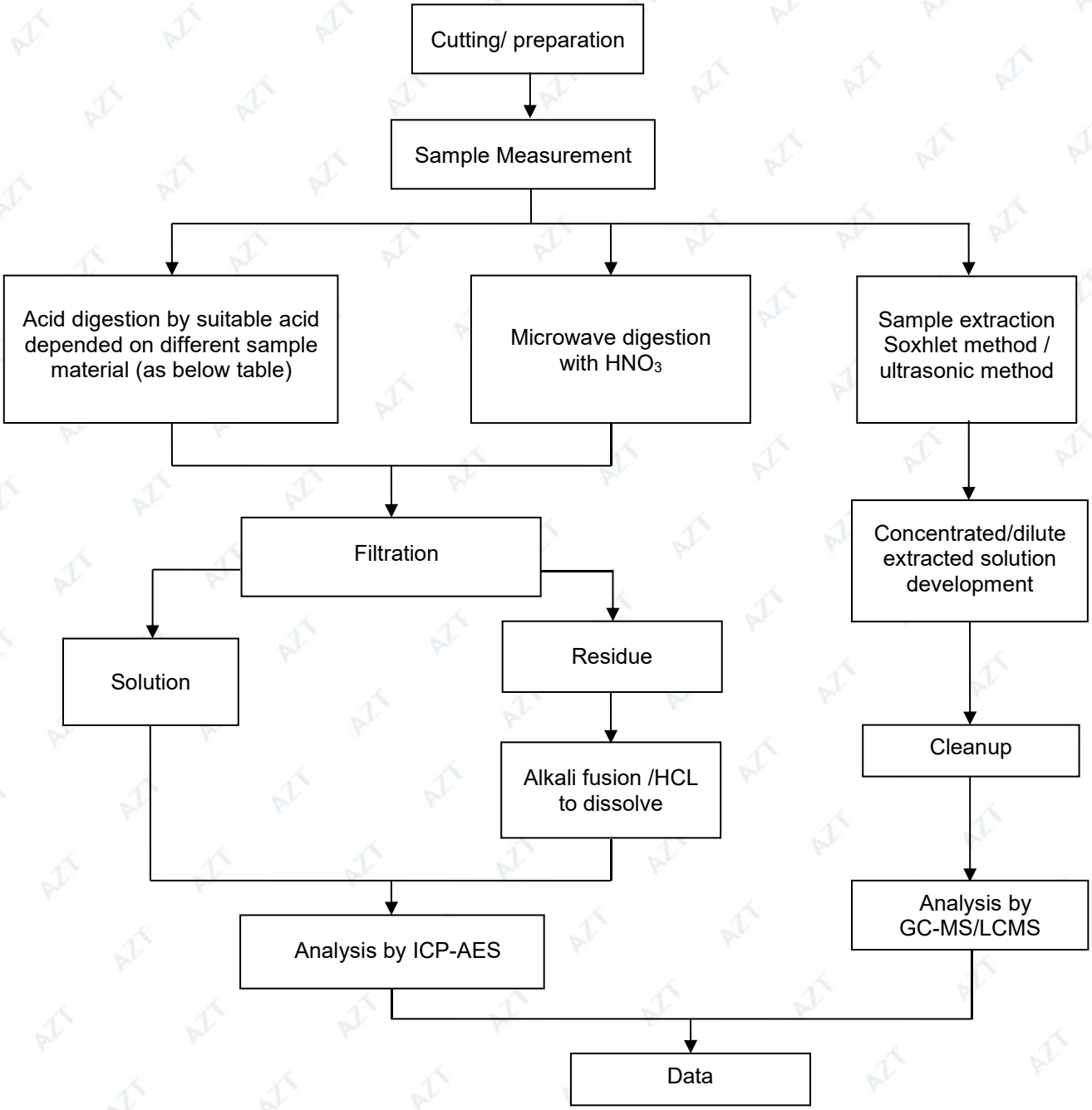
Appendix


Cutting/ preparation
Sample Measurement
Acid digestion by suitable acid depended on different sample material (as below table)
Microwave digestion with HNO_3
Sample extraction Soxhlet method / ultrasonic method
Filtration
Concentrated/dilute extracted solution development
Solution
Residue
Cleanup
Alkali fusion /HCL to dissolve
Analysis by GC-MS/LCMS
Analysis by ICP-AES
Data

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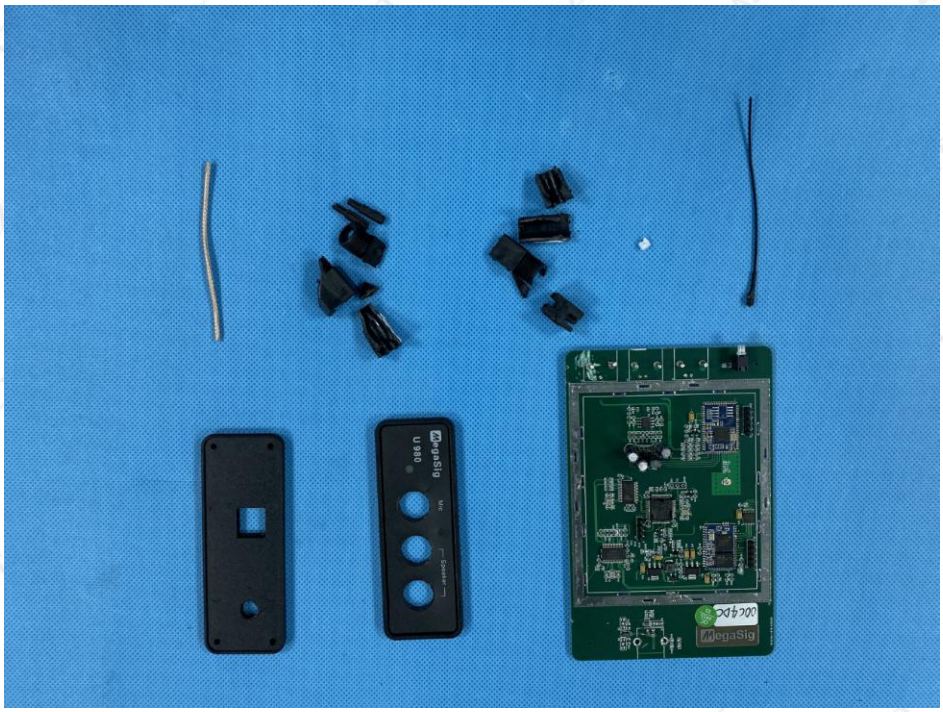
The photo of the sample



AZT authenticate the photo on original report only

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

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2. The result(s) shown in this report refer only to the sample(s) tested.
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