



TEST REPORT

REPORT No.: **DTIBW20212487-2**

Date: 2021-11-08

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Applicant Company Name: Telpa Teknoloji Hizmetleri A.S.

Applicant Company Address: Ikitelli OSB Mahallesi, 17.Cadde, No:3, 34490 Basaksehir Istanbul/Turkey

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

Sample Name : Smartphone
 Model No. : G312, G313
 Trademark : General Mobile
 Sample Receiving Date : November 03, 2021
 Testing Period : From November 03, 2021 to November 08, 2021
 Results : Please refer to next page(s).

Summary of Test Results:

TEST REQUEST

Two hundred and nineteen (219) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on - [\(EC\) No 1907/2006 concerning the REACH](#)

CONCLUSION

Pass
(As remark)

Remark : According to the specified scope and analytical technique, concentration of each 219 SVHC is <0.1% in the submitted sample(s)

Shenzhen Deesev Testing International Corp

Approved by: Tommy Jiang
lab manager

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Results:

Test Portions:

- (1) =Mixture of Nonmetal Parts
- (2) =Mixture of Metal Parts

A. Two hundred and nineteen (219) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on - (EC) No 1907/2006 concerning the REACH

Test method: With reference to in- house method, DTI-SVHC-001, DTI-SVHC-002, DTI- SVHC-003 DTI-SVHC-004, DTI-SVHC-005, Analysis is performed by ICP-AES, UV-VIS, GC/MS, HPLC/MS and IC

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No.	Items	CAS No.	EC No.	RL(%)	Results(%)	
					(1)	(2)
1	Anthracene (ANT)	120-12-7	204-371-1	0.005	N.D.	N.D.
2	4,4'-Diaminodiphenylmethane	101-77-9	202-974-4	0.005	N.D.	N.D.
3	Dibutyl Phthalate (DBP)	84-74-2	201-557-4	0.005	N.D.	N.D.
4	Cobalt Dichloride (CoCl ₂)*	7646-79-9	231-589-4	0.01	N.D.	N.D.
5	Diarsenic Pentoxide(As ₂ O ₅)*	1303-28-2	215-116-9	0.01	N.D.	N.D.
6	Diarsenic Trioxide(As ₂ O ₃)*	1327-53-3	215-481-4	0.01	N.D.	N.D.
7	Sodium Dichromate, Dihydrate*	7789-12-0, 10588-01-9	234-190-3	0.01	N.D.	N.D.
8	5-tert-butyl-2,4,6-trinitro-m-xylene(musk xylene)	81-15-2	201-329-4	0.005	N.D.	N.D.
9	Bis-(2-ethyl(hexyl) Phthalate (DEHP)	117-81-7	204-211-0	0.005	N.D.	N.D.
10	Hexabromocyclododecane (HBCDD)	25637-99-4 & 3194-55-6	247-148-4 221-695-9	0.005	N.D.	N.D.
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCP)	85535-84-8	287-476-5	0.01	N.D.	N.D.
12	Bis(tributyltin)oxide (TBTO)*	56-35-9	200-268-0	0.005	N.D.	N.D.
13	Lead Hydrogen Arsenate*	7784-40-9	232-064-2	0.01	N.D.	N.D.
14	Benzyl Butyl Phthalate (BBP)	85-68-7	201-622-7	0.05	N.D.	N.D.
15	Triethyl Arsenate*	15606-95-8	427-700-2	0.01	N.D.	N.D.
16	①Anthracene oil	90640-80-5	292-602-7	0.05	N.D.	N.D.
17	①Anthracene oil , anthracene paste, distn . Lights	91995-17-4	295-278-5	0.05	N.D.	N.D.
18	①Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	0.05	N.D.	N.D.
19	①Anthracene oil, anthracene-low	90640-82-7	292-604-8	0.05	N.D.	N.D.

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					(1)	(2)
20	^① Anthracene oil, anthracene paste	90640-81-6	292-603-2	0.05	N.D.	N.D.
21	Diisobutyl phthalate	84-69-5	201-553-2	0.005	N.D.	N.D.
22	2,4-Dinitrotoluene	121-14-2	204-450-0	0.01	N.D.	N.D.
23	^① Coal tar pitch, high temperature***	65996-93-2	266-028-2	0.05	N.D.	N.D.
24	Tris (2-chloroethyl) phosphate	115-96-8	204-118-5	0.01	N.D.	N.D.
25	^② Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7	0.05	N.D.	N.D.
26	^② Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8	235-759-9	0.05	N.D.	N.D.
27	^② Lead chromate: chrome yellow	7758-97-6	231-846-0	0.05	N.D.	N.D.
28	Acrylamide	79-06-1	201-173-7	0.01	N.D.	N.D.
29	Trichloroethylene	79-01-6	201-167-4	0.005	N.D.	N.D.
30	^③ Boric acid *	10043-35-3; 11113-50-1	233-139-2; 234-343-4	0.01	N.D.	N.D.
31	^③ Disodium tetraborate, anhydrous	1330-43-4; 12179-04-3; 1303-96-4	215-540-4	0.01	N.D.	N.D.
32	^③ Tetraboron disodium heptaoxide, hydrate	12267-73-1	235-541-3	0.01	N.D.	N.D.
33	Sodium chromate *	7775-11-3	231-889-5	0.01	N.D.	N.D.
34	Potassium chromate*	7789-00-6	232-140-5	0.01	N.D.	N.D.
35	Ammonium dichromate*	7789-09-5	232-143-1	0.01	N.D.	N.D.
36	Potassium dichromate	7778-50-9	231-906-6	0.01	N.D.	N.D.
37	Cobalt(II) sulphate *	10124-43-3	233-334-2	0.01	N.D.	N.D.
38	Cobalt(II) dinitrate*	10141-05-6	233-402-1	0.01	N.D.	N.D.

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39	Cobalt(II) carbonate*	513-79-1	208-169-4	0.01	N.D.	N.D.
40	Cobalt(II) diacetate*	71-48-7	200-755-8	0.01	N.D.	N.D.
41	2-Methoxyethanol	109-86-4	203-713-7	0.005	N.D.	N.D.
42	2-Ethoxyethanol	110-80-5	203-804-1	0.005	N.D.	N.D.
43	Chromium trioxide*	1333-82-0	215-607-8	0.01	N.D.	N.D.
44	Chromic acid* Dichromic acid*	7738-94-5 13530-68-2	231-801-5 236-881-5	0.01	N.D.	N.D.
45	1,2,3-trichloropropane	96-18-4	202-486-1	0.01	N.D.	N.D.
46	Strontium chromate*	7789-06-2	232-142-6	0.01	N.D.	N.D.
47	2-ethoxyethyl acetate	111-15-9	203-839-2	0.01	N.D.	N.D.
48	^① 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	271-084-6	0.01	N.D.	N.D.
49	Hydrazine	7803-57-8 302-01-2	206-114-9	0.01	N.D.	N.D.
50	1-methyl-2-pyrrolidone	872-50-4	212-828-1	0.01	N.D.	N.D.
51	^① 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	276-158-1	0.01	N.D.	N.D.
52	Dichromium tris(chromate)*	24613-89-6	246-356-2	0.01	N.D.	N.D.
53	Potassium hydroxyoctaoxidizin catedi-chromate *	11103-86-9	234-329-8	0.01	N.D.	N.D.
54	Pentazinc chromate octahydroxide	49663-84-5	256-418-0	0.01	N.D.	N.D.
55	^② Aluminosilicate Refractory Ceramic Fibres (Al-RCF)**	-	-	0.05	N.D.	N.D.

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56	² Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)**	-	-	0.05	N.D.	N.D.
57	¹ Formaldehyde, oligomeric reaction products with aniline (technical MDA) [▲]	25214-70-4	500-036-1	0.01	N.D.	N.D.
58	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	0.005	N.D.	N.D.
59	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	0.005	N.D.	N.D.
60	4-(1,1,3,3-tetramethylbutyl) phenol, (4-tert-Octylphenol)	140-66-9	205-426-2	0.005	N.D.	N.D.
61	1,2-Dichloroethane	107-06-2	203-458-1	0.005	N.D.	N.D.
62	Bis (2-methoxyethyl) ether	111-96-6	203-924-4	0.005	N.D.	N.D.
63	Arsenic acid *	7778-39-4	231-901-9	0.01	N.D.	N.D.
64	Calcium arsenate*	7778-44-1	231-904-5	0.01	N.D.	N.D.
65	Trilead diarsenate*	3687-31-8	222-979-5	0.01	N.D.	N.D.
66	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	0.005	N.D.	N.D.
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	0.005	N.D.	N.D.
68	Phenolphthalein	77-09-8	201-004-7	0.005	N.D.	N.D.
69	Lead azide Lead diazide*	13424-46-9	236-542-1	0.01	N.D.	N.D.
70	Lead styphnate*	15245-44-0	239-290-0	0.01	N.D.	N.D.
71	Lead dipicrate*	6477-64-1	229-335-2	0.01	N.D.	N.D.
72	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	203-977-3	0.01	N.D.	N.D.
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	0.01	N.D.	N.D.

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74	[®] Diboron trioxide**	1303-86-2	215-125-8	0.01	N.D.	N.D.
75	Formamide	75-12-7	200-842-0	0.01	N.D.	N.D.
76	Lead(II) bis(methanesulfonate) **	17570-76-2	401-750-5	0.01	N.D.	N.D.
77	(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.	N.D.
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	0.01	N.D.	N.D.
79	4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	202-027-5	0.01	N.D.	N.D.
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	0.01	N.D.	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	0.05	N.D.	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	0.05	N.D.	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	0.05	N.D.	N.D.
84	4,4'-bis(dimethylamino)-4''-(methylamino trityl alcohol	561-41-1	209-218-2	0.05	N.D.	N.D.
85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	214-604-9	0.05	N.D.	N.D.
86	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	0.05	N.D.	N.D.

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87	Tricosafuorododecanoic acid	307-55-1	206-203-2	0.05	N.D.	N.D.
88	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	0.05	N.D.	N.D.
89	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	0.05	N.D.	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.	N.D.
91	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, covering also UVCB- and well-defined substances which include any of the Individual isomers or a combination thereof	-	-	0.05	N.D.	N.D.
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	0.05	N.D.	N.D.
93	Cyclohexane-1,2-dicarboxylic anhydride cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	0.05	N.D.	N.D.
94	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	247-094-1, 243-072-0, 256-356-4, 260-566-1	0.05	N.D.	N.D.

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No.	Items	CAS No.	EC No.	RL(%)	Results(%)	
					(1)	(2)
95	Methoxy acetic acid	625-45-6	210-894-6	0.05	N.D.	N.D.
96	^① 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	0.01	N.D.	N.D.
97	Diisopentylphthalate (DIPP)	605-50-5	210-088-4	0.005	N.D.	N.D.
98	N-pentyl-isopentylphthalate	776297-69-9	-	0.005	N.D.	N.D.
99	1,2-Diethoxyethane	629-14-1	211-076-1	0.05	N.D.	N.D.
100	N,N-dimethylformamide; dimethyl formamide	68-12-2	200-679-5	0.05	N.D.	N.D.
101	Dibutyltin dichloride (DBT)	683-18-1	211-670-0	0.05	N.D.	N.D.
102	Acetic acid, lead salt, basic	51404-69-4	257-175-3	0.01	N.D.	N.D.
103	Basic lead carbonate (trilead bis(carbonate)dihydroxide)	1319-46-6	215-290-6	0.01	N.D.	N.D.
104	Lead oxide sulfate (basic lead sulfate)	12036-76-9	234-853-7	0.01	N.D.	N.D.
105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)	69011-06-9	273-688-5	0.01	N.D.	N.D.
106	Dioxobis(stearato)trilead	12578-12-0	235-702-8	0.01	N.D.	N.D.
107	Fatty acids, C16-18, lead salts	91031-62-8	292-966-7	0.01	N.D.	N.D.
108	Lead bis(tetrafluoroborate)	13814-96-5	237-486-0	0.01	N.D.	N.D.
109	Lead cyanidate	20837-86-9	244-073-9	0.01	N.D.	N.D.
110	Lead dinitrate	10099-74-8	233-245-9	0.01	N.D.	N.D.
111	Lead oxide (lead monoxide)	1317-36-8	215-267-0	0.01	N.D.	N.D.
112	Lead tetroxide (orange lead)	1314-41-6	215-235-6	0.01	N.D.	N.D.
113	Lead titanium trioxide	12060-00-3	235-038-9	0.01	N.D.	N.D.
114	Lead Titanium Zirconium Oxide	12626-81-2	235-727-4	0.01	N.D.	N.D.

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					(1)	(2)
115	Pentalead tetraoxide sulphate	12065-90-6	235-067-7	0.01	N.D.	N.D.
116	Pyrochlore, antimony lead yellow C.I.***	8012-00-8	232-382-1	0.01	N.D.	N.D.
117	Silicic acid, barium salt, lead-doped	68784-75-8	272-271-5	0.01	N.D.	N.D.
118	Silicic acid, lead salt	11120-22-2	234-363-3	0.01	N.D.	N.D.
119	Sulfurous acid, lead salt, dibasic	62229-08-7	263-467-1	0.01	N.D.	N.D.
120	Tetraethyllead	78-00-2	201-075-4	0.01	N.D.	N.D.
121	Tetralead trioxide sulphate	12202-17-4	235-380-9	0.01	N.D.	N.D.
122	Trilead dioxide phosphonate	12141-20-7	235-252-2	0.01	N.D.	N.D.
123	Furan	110-00-9	203-727-3	0.05	N.D.	N.D.
124	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	200-879-2	0.05	N.D.	N.D.
125	Diethyl sulphate	64-67-5	200-589-6	0.05	N.D.	N.D.
126	Dimethyl sulphate	77-78-1	201-058-1	0.05	N.D.	N.D.
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine3-	143860-04-2	421-150-7	0.05	N.D.	N.D.
128	Dinoseb	88-85-7	201-861-7	0.05	N.D.	N.D.
129	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	0.05	N.D.	N.D.
130	4,4'-oxydianiline and its salts	101-80-4	202-977-0	0.05	N.D.	N.D.
131	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	200-453-6	0.05	N.D.	N.D.
132	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	202-453-1	0.05	N.D.	N.D.
133	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	0.05	N.D.	N.D.

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					(1)	(2)
134	Biphenyl-4-ylamine	92-67-1	202-177-1	0.05	N.D.	N.D.
135	o-aminoazotoluene	97-56-3	202-591-2	0.05	N.D.	N.D.
136	o-Toluidine; 2-Aminotoluene	95-53-4	202-429-0	0.05	N.D.	N.D.
137	N-methylacetamide	79-16-3	201-182-6	0.05	N.D.	N.D.
138	1-bromopropane; n-propyl bromide	106-94-5	203-445-0	0.05	N.D.	N.D.
139	Cadmium	7440-43-9	231-152-8	0.01	N.D.	N.D.
140	Cadmium oxide	1306-19-0	215-146-2	0.01	N.D.	N.D.
141	Ammonium pentadecafluorooctanoate	3825-26-1	223-320-4	0.01	N.D.	N.D.
142	Pentadecafluorooctanoic acid	335-67-1	206-397-9	0.01	N.D.	N.D.
143	Dipentyl phthalate	131-18-0	205-017-9	0.005	N.D.	N.D.
144	④4-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.	N.D.
145	Cadmium sulphide	1306-23-6	215-147-8	0.01	N.D.	N.D.
146	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis (azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)***	573-58-0	209-358-4	0.01	N.D.	N.D.

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No.	Items	CAS No.	EC No.	RL(%)	Results(%)	
					(1)	(2)
147	38Disodium 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	217-710-3	0.01	N.D.	N.D.
148	Dihexyl phthalate(DHXP)	84-75-3	201-559-5	0.005	N.D.	N.D.
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	202-506-9	0.01	N.D.	N.D.
150	Lead di(acetate)	301-04-2	206-104-4	0.01	N.D.	N.D.
151	^① Trixylyl phosphate	25155-23-1	246-677-8	0.01	N.D.	N.D.
152	cadmium dichloride	10108-64-2	233-296-7	0.01	N.D.	N.D.
153	^① 1,2-benzenedicarboxylic acid dihexyl ester branched and linear	68515-50-4	271-093-5	0.01	N.D.	N.D.
154	^③ Sodium peroxometaborate	7632-04-4	231-556-4	0.01	N.D.	N.D.
155	^③ Sodium perborate; perboric acid,sodium salt	-	239-172-9; 234-390-0	0.01	N.D.	N.D.
156	Cadmium fluoride	7790-79-6	232-222-0	0.01	N.D.	N.D.
157	Cadmium sulphate	10124-36-4; 31119-53-6	233-331-6	0.01	N.D.	N.D.
158	UV-320	3846-71-7	223-346-6	0.01	N.D.	N.D.
159	UV-328	25973-55-1	247-384-8	0.01	N.D.	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	0.05	N.D.	N.D.

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No.	Items	CAS No.	EC No.	RL(%)	Results(%)	
					(1)	(2)
161	① 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.	N.D.
162	1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters; Di-n-hexyl phthalate (DnHP)	68515-51-5; 68648-93-1;	271-094-0; 272-013-1;	0.05	N.D.	N.D.
163	Karanal(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])	-	-	0.05	N.D.	N.D.
164	1,3-propanesultone	1120-71-4	214-317-9	0.01	N.D.	N.D.
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol(uv-327)	3864-99-1	223-383-8	0.01	N.D.	N.D.
166	2-2(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	0.01	N.D.	N.D.
167	Nitrobenzene	98-95-3	202-716-0	0.01	N.D.	N.D.
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3	0.01	N.D.	N.D.
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	200-028-5	0.01	N.D.	N.D.

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No.	Items	CAS No.	EC No.	RL(%)	Results(%)	
					(1)	(2)
170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	201-245-8	0.01	N.D.	N.D.
171	nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	-- 206-400-3 221-470-5	0.01	N.D.	N.D.
172	4-tert-pentylphenol (PTAP)	80-46-6	201-280-9	0.01	N.D.	N.D.
173	4-heptylphenol, branched and linear (4-HPbl)	-	-	0.01	N.D.	N.D.
174	Perfluorohexane-1-sulphonic acid and its salts(PFHxS)	-	-	0.01	N.D.	N.D.
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"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	-	0.01	N.D.	N.D.
176	Benz[a]anthracene	56-55-3	200-280-6	0.01	N.D.	N.D.
177	Cadmium nitrate	10325-94-7	233-710-6	0.01	N.D.	N.D.
178	Cadmium carbonate	513-78-0	208-168-9	0.01	N.D.	N.D.
179	Cadmium hydroxide	21041-95-2	244-168-5	0.01	N.D.	N.D.
180	Chrysene	218-01-9	205-923-4	0.01	N.D.	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]	-	-	0.01	N.D.	N.D.
182	Benzene -1,2,4- tricarboxylic acid 1,2- anhydride (TMA)	552-30-7	209-008-0	0.01	N.D.	N.D.

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No.	Items	CAS No.	EC No.	RL(%)	Results(%)	
					(1)	(2)
183	Dicyclohexyl phthalate	84-61-7	201-545-9	0.01	N.D.	N.D.
184	Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	0.01	N.D.	N.D.
185	Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	0.01	N.D.	N.D.
186	Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	0.01	N.D.	N.D.
187	Lead	7439-92-1	231-100-4	0.01	N.D.	N.D.
188	Disodium octaborate	12008-41-2	234-541-0	0.01	N.D.	N.D.
189	Benzo[ghi]perylene	191-24-2	205-883-8	0.01	N.D.	N.D.
190	Terphenyl hydrogenated	61788-32-7	262-967-7	0.01	N.D.	N.D.
191	Ethylenediamine	107-15-3	203-468-6	0.01	N.D.	N.D.
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	6807-17-6	0.01	N.D.	N.D.
193	Benzo[k]fluoranthene	205-916-6	207-08-9	0.01	N.D.	N.D.
194	Fluoranthene	205-912-4	206-44-0	0.01	N.D.	N.D.
195	Phenanthrene	201-581-5	85-01-8	0.01	N.D.	N.D.
196	Pyrene	204-927-3	129-00-0	0.01	N.D.	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.	N.D.
198	4-tert-butylphenol(PTBP)	98-54-4	202-679-0	0.01	N.D.	N.D.

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No.	Items	CAS No.	EC No.	RL(%)	Results(%)	
					(1)	(2)
199	HFPO-DA 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.	N.D.
200	2-methoxyethyl acetate	110-49-6	203-772-9	0.01	N.D.	N.D.
201	TNPP 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.	N.D.
202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	-	0.01	N.D.	N.D.
203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	-	0.01	N.D.	N.D.
204	Diisohexyl phthalate	71850-09-4	276-090-2	0.01	N.D.	N.D.
205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	0.01	N.D.	N.D.
206	1-vinylimidazole	1072-63-5	214-012-0	0.01	N.D.	N.D.
207	2-methylimidazole	693-98-1	211-765-7	0.01	N.D.	N.D.
208	Butyl 4-hydroxybenzoate	94-26-8	202-318-7	0.01	N.D.	N.D.
209	Dibutylbis (pentane-2 , 4-dionato- O , O) tin	22673-19-4	245-152-0	0.01	N.D.	N.D.
210	Bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	205-594-7	0.01	N.D.	N.D.
211	Diocetyl tin dilaurate, stannane, Dioctyl-, bis(cocoacyloxy) derivs, and any other stannane, dioctyl-, bis(fatty acyloxy) derivs, wherein C12 is the predominant carbon number of the fatty acyloxy moiety	-	-	0.01	N.D.	N.D.

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No.	Items	CAS No.	EC No.	RL(%)	Results(%)	
					(1)	(2)
212	1,4-dioxane	123-91-1	204-661-8	0.01	N.D.	N.D.
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)	3296-90-0; 36483-57-5/ 1522-92-5; 96-13-9	221-967-7; 253-057-0; 202-480-9	0.01	N.D.	N.D.
214	2-(4-tert-butylbenzyl) propional dehyde and its individual stereoisomers	-	-	0.01	N.D.	N.D.
215	4,4'-(1-methylpropylidene) bisphenol (bisphenol B)	77-40-7	201-025-1	0.01	N.D.	N.D.
216	Glutaral	111-30-8	203-856-5	0.01	N.D.	N.D.
217	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]	-	-	0.01	N.D.	N.D.
218	Orthoboric acid, sodium salt	13840-56-7	237-560-2	0.01	N.D.	N.D.
219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual (PDDP)	-	-	0.01	N.D.	N.D.

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Note:

- w/w % = weight by weight
N.D. = Not Detected or less than MDL
- *:Concentration value of the substance by the conversion from the test results of certain elements.
Concentration value of Bis(tributyltin)oxide(TBTO), 2-ethylhexyl 10-ethyl-4,4-dioctyl-7- oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE), Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8- oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE) by the conversion from the test results of certain compounds (Tributyl Tins(TBT), Dioctyl Tins(DOT), Monooctyl Tins(MOT)).
- **:All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex VI of the Regulation on Classification, Labeling and Packaging of chemical substances and mixtures, the so called CLP Regulation(Regulation (EC) No 1272/2008).
- ***:C.I.: Colour Index
- ****:Light fractions from distillation
- *****:Concentration value of Disodium tetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate is evaluated by Disodium tetraborate, with no consider of the hydrate. Concentration value of Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate is evaluated by Sodium perborate, with no consider of the hydrate.
- ^: Concentration value of Formaldehyde, oligomeric reaction products with aniline (technical MDA) by the conversion from the test results of certain compounds (2,4-Diaminodiphenylmethane, 4,4'-Diaminodiphenylmethane, 2,6-Diaminodiphenylmethane).
- 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.
- ③: Concentration value of Boric acid; Disodium tetraborate, anhydrous; Tetraboron disodium heptaoxide, hydrate; Diboron trioxide; Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate is calculated by the conversion from the test results of certain elements and confirmed by appropriate solvent extraction, meanwhile the book of materials is suggested to be checked for further confirmation

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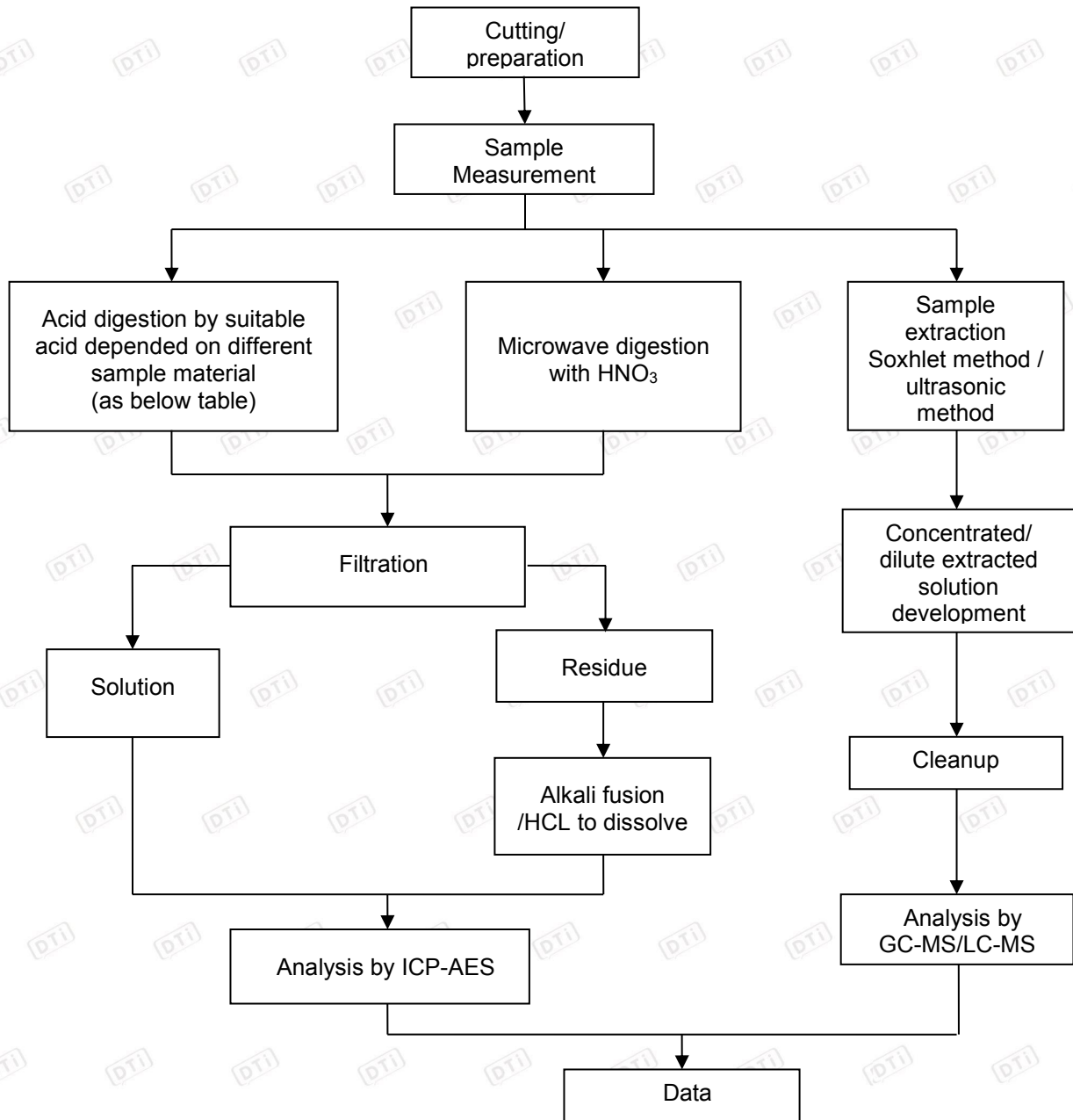
Remark:

- 1. Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of European Union regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).
 - 1) Any supplier shall provide the recipient of the article with sufficient information to allow safe use of the article including, as a minimum, the name of that substance
 - 2) On request by a consumer any supplier shall provide the consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that substance within 45 days of receipt of the request, free of charge.
- 2. The supplier of a substance that is included in the Candidate List on their own shall provide the recipient of the substance with a safety data sheet for free compiled in accordance with Article 3 and Annex II of REACH.
- 3. The supplier of a mixture that containing a substance that is included in the Candidate List shall exchange information in accordance with Article 31, Article 32, and Annex II of REACH.
 - 1) Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation meets the criteria for classification as dangerous in accordance with Directives 1999/45/EC.
 - 2) Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation does not meet the criteria for classification as dangerous in accordance with Directive 1999/45/EC, but contains any substance that is included in the Candidate List in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures or ≥ 0.2 % by volume for gaseous mixtures.
- Decision rule: According to DTI-CX-39-2020 《Decision rule for conformity of the test results》 .
- Flow chart appendix is included.
- Photo appendix is included.

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Appendix



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Table:

Sample material	Digestion Acid
Steel, copper, aluminum, solder	Aqua regia, HNO ₃ , HCL, HF, H ₂ O ₂
Glass	HNO ₃ /HF
Gold, platinum, palladium, ceramic	Aqua regia
Silver	HNO ₃
Plastic	H ₂ SO ₄ , H ₂ O ₂ , HNO ₃ ,HCL
Others	Any acid to total digestion

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Photograph of Sample

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

Sample Name : Smartphone
 Model No. : G312, G313
 Trademark : General Mobile
 Sample Receiving Date : November 03, 2021
 Testing Period : From November 03, 2021 to November 08, 2021
 Results : Please refer to next page(s).

Summary of Test Results:

TEST REQUEST

CONCLUSION

A EU RoHS Directive 2011/65/EU and its amendment directives 2015/863/EU ([RoHS 2.0](#)) **Pass**

Shenzhen Deesev Testing International Corp

Approved by: Tommy Jiang
lab manager

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Results:

1. EU RoHS Directive 2011/65/EU and its amendment directives on XRF

Test method: With reference to IEC 62321-3-1:2013, Screening by X-ray Fluorescence Spectroscopy (XRF)

Seq. No.	Tested Part(s)	Results				
		Pb	Cd	Hg	Cr	Br
1	Black Coating	BL	BL	BL	BL	BL
2	Glass Sheet Substrate	BL	BL	BL	BL	BL
3	White Label Stickers	BL	BL	BL	BL	BL
4	Black Plastic Frame	BL	BL	BL	BL	BL
5	FPC	BL	BL	BL	BL	BL
6	Copper Foil	BL	BL	BL	BL	N/A
7	Black Plastic Cover	BL	BL	BL	BL	BL
8	Black Coating	BL	BL	BL	BL	BL
9	Plastic Frame Substrate	BL	BL	BL	BL	BL
10	Plastic Sheet Substrate	BL	BL	BL	BL	BL
11	White Translucent Plastic Shell (Flash Lamp	BL	BL	BL	BL	BL
12	Black Plastic Frame	BL	BL	BL	BL	BL
13	Silver Metal Pedestal	BL	BL	BL	BL	N/A
14	Gold Metal Nut	BL	BL	BL	BL	N/A
15	Gray Sponge Viscose	BL	BL	BL	BL	BL
16	Gray Viscose Tape	BL	BL	BL	BL	BL
17	Black Plastic Cover	BL	BL	BL	BL	BL
18	Touch Screen Glass	BL	BL	BL	BL	BL
19	Display Screen Glass	BL	BL	BL	BL	BL
20	FPC	BL	BL	BL	BL	BL

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Seq. No.	Tested Part(s)	Results				
		Pb	Cd	Hg	Cr	Br
21	LED	BL	BL	BL	BL	BL
22	Silver Plastic Patch	BL	BL	BL	BL	BL
23	White Plastic Patch	BL	BL	BL	BL	BL
24	Transparent Plastic Sheet	BL	BL	BL	BL	BL
25	White Plastic Sheet	BL	BL	BL	BL	BL
26	Silver Plastic Sheet	BL	BL	BL	BL	BL
27	Black Plastic Stickers	BL	BL	BL	BL	BL
28	Grey Plastic Frame	BL	BL	BL	BL	BL
29	Silver Metal Case	BL	BL	BL	X	N/A
30	PCB	BL	BL	BL	BL	BL
31	Solder Point	BL	BL	BL	BL	N/A
32	Black Plastic Case	BL	BL	BL	BL	BL
33	Gold Metal Terminal	BL	BL	BL	BL	N/A
34	Black Plastic Case	BL	BL	BL	BL	BL
35	Gold Metal Terminal	BL	BL	BL	BL	N/A
36	Patch Coil Inductor	BL	BL	BL	BL	BL
37	Copper Winding	BL	BL	BL	BL	N/A
38	Black Plastic Case	BL	BL	BL	BL	BL
39	Gold Metal Terminal	BL	BL	BL	BL	N/A
40	Black Ceramic Body Chip	BL	BL	BL	BL	BL

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Seq. No.	Tested Part(s)	Results				
		Pb	Cd	Hg	Cr	Br
41	Patch Resistor	BL	BL	BL	BL	BL
42	Multiplayer Ceramic Chip Capacitors	BL	BL	BL	BL	BL
43	Patch Diode	BL	BL	BL	BL	BL
44	Crystal Oscillator	BL	BL	BL	BL	N/A
45	Black Plastic Case	BL	BL	BL	BL	BL
46	Gold Metal Terminal	BL	BL	BL	BL	N/A
47	Patch LED	BL	BL	BL	BL	BL
48	Silver Metal Terminal	BL	BL	BL	X	N/A
49	Gold Metal Sheet	BL	BL	BL	BL	N/A
50	Silver Metal Socket	BL	BL	BL	BL	N/A
51	Gold Metal Socket	BL	BL	BL	BL	N/A
52	Silver Metal Terminal	BL	BL	BL	BL	N/A
53	SMD Components	BL	BL	BL	BL	BL
54	Black Ceramic Body Chip	BL	BL	BL	BL	BL
55	Patch Resistor	BL	BL	BL	BL	BL
56	Multiplayer Ceramic Chip Capacitors	BL	BL	BL	BL	BL
57	Patch Diode	BL	BL	BL	BL	BL
58	Silver Metal Case (Card Slot)	BL	BL	BL	X	N/A
59	Black Plastic (Card Slot)	BL	BL	BL	BL	BL
60	Gold Metal Needles (Card Slot)	BL	BL	BL	BL	N/A

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Seq. No.	Tested Part(s)	Results				
		Pb	Cd	Hg	Cr	Br
61	Patch Coil Inductor	BL	BL	BL	BL	BL
62	Copper Winding	BL	BL	BL	BL	N/A
63	PCB	BL	BL	BL	BL	X
64	Solder Point	BL	BL	BL	BL	N/A
65	Black Rubber Cover	BL	BL	BL	BL	BL
66	Black Plastic Case (Earphone Jack)	BL	BL	BL	BL	BL
67	Gold Metal Pin	BL	BL	BL	X	N/A
68	Silver Metal Components	BL	BL	BL	BL	N/A
69	Black Rubber Cover	BL	BL	BL	BL	BL
70	Silver Metal Case	BL	BL	BL	X	N/A
71	Internal Black Plastic	BL	BL	BL	BL	BL
72	Gold Metal Needles	BL	BL	BL	BL	N/A
73	Silver Metal Terminal	BL	BL	BL	X	N/A
74	Black Ceramic Body Chip	BL	BL	BL	BL	BL
75	Patch Resistor	BL	BL	BL	BL	BL
76	Multiplayer Ceramic Chip Capacitors	BL	BL	BL	BL	BL
77	Patch Diode	BL	BL	BL	BL	BL
78	Gold Metal Socket	BL	BL	BL	BL	N/A
79	Black Plastic Case	BL	BL	BL	BL	BL
80	Gold Metal Terminal	BL	BL	BL	BL	N/A

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Seq. No.	Tested Part(s)	Results				
		Pb	Cd	Hg	Cr	Br
81	Silver Metal Frame	BL	BL	BL	BL	N/A
82	Black Horn Net (Horn)	BL	BL	BL	BL	BL
83	Silver Horn Paper (Horn)	BL	BL	BL	BL	BL
84	Black Horn Paper (Horn)	BL	BL	BL	BL	BL
85	Silver Metal Cover (Horn)	BL	BL	BL	BL	N/A
86	Black Plastic Frame (Horn)	BL	BL	BL	BL	BL
87	Transparent Plastic (Horn)	BL	BL	BL	BL	BL
88	Copper Wire (Horn)	BL	BL	BL	BL	N/A
89	Silver Magnet (Horn)	BL	BL	BL	BL	N/A
90	Silver Metal Pedestal (Horn)	BL	BL	BL	BL	N/A
91	Silver Metal Pin	BL	BL	BL	X	N/A
92	FPC	BL	BL	BL	BL	BL
93	Silver Metal Sheet	BL	BL	BL	X	N/A
94	Black Plastic Plug-In	BL	BL	BL	BL	BL
95	Gold Metal Terminal	BL	BL	BL	BL	N/A
96	Silver Metal Case	BL	BL	BL	BL	N/A
97	Black Camera Components	BL	BL	BL	BL	BL
98	Gray Viscose Tape	BL	BL	BL	BL	BL
99	FPC	BL	BL	BL	BL	BL
100	Copper Foil	BL	BL	BL	BL	N/A

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		Pb	Cd	Hg	Cr	Br
101	Silver Metal Microphone Components	BL	BL	BL	BL	N/A
102	FPC	BL	BL	BL	BL	BL
103	Silver Metal Sheet	BL	BL	BL	X	N/A
104	Black Plastic Plug-In	BL	BL	BL	BL	BL
105	Gold Metal Terminal	BL	BL	BL	BL	N/A
106	Black Fingerprint Identification	BL	BL	BL	BL	BL
107	Silver Metal Sheet	BL	BL	BL	BL	N/A
108	FPC	BL	BL	BL	BL	BL
109	Silver Metal Sheet	BL	BL	BL	X	N/A
110	Black Plastic Plug-In	BL	BL	BL	BL	BL
111	Gold Metal Terminal	BL	BL	BL	BL	N/A
112	Patch Resistor	BL	BL	BL	BL	BL
113	Multiplayer Ceramic Chip Capacitors	BL	BL	BL	BL	BL
114	Patch Diode	BL	BL	BL	BL	BL
115	Solder Point	BL	BL	BL	BL	N/A
116	Black Plastic Wire Outer Skin	BL	BL	BL	BL	BL
117	Wire Internal Metal Wire	BL	BL	BL	BL	N/A
118	Gold Metal Plug	BL	BL	BL	BL	N/A
119	FPC	BL	BL	BL	BL	BL
120	Silver Metal Sheet	BL	BL	BL	BL	N/A

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		Pb	Cd	Hg	Cr	Br
121	Transparent Plastic Film	BL	BL	BL	BL	BL
122	Silver Metal Sheet	BL	BL	BL	X	N/A
123	Black Plastic Layer	BL	BL	BL	BL	BL
124	Silver Metal Frame	BL	BL	BL	X	N/A
125	Black Plastic Pedestal	BL	BL	BL	BL	BL
126	Black Plastic Button	BL	BL	BL	BL	BL
127	Silver Metal Screws	BL	BL	BL	BL	N/A
128	Black Metal Screw	BL	BL	BL	BL	N/A
129	Black Rubber Cover	BL	BL	BL	BL	BL
130	Silver Metal Case (Chip Cover)	BL	BL	BL	BL	N/A
131	Copper Foil	BL	BL	BL	BL	N/A
132	Blue Silica Gel	BL	BL	BL	BL	BL
133	FPC	BL	BL	BL	BL	BL
134	Silver Metal Sheet	BL	BL	BL	BL	N/A
135	Black Plastic Plug-In	BL	BL	BL	BL	BL
136	Gold Metal Terminal	BL	BL	BL	BL	N/A
137	PCB	BL	BL	BL	BL	BL
138	Solder Point	BL	BL	BL	BL	N/A
139	Black Ceramic Body Chip	BL	BL	BL	BL	BL
140	Patch Resistor	BL	BL	BL	BL	BL

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Seq. No.	Tested Part(s)	Results				
		Pb	Cd	Hg	Cr	Br
141	Multiplayer Ceramic Chip Capacitors	BL	BL	BL	BL	BL
142	Transparent Plastic Film	BL	BL	BL	BL	BL
143	Electrode Metal Sheet	BL	BL	BL	BL	N/A
144	Aluminum Laminated Films	BL	BL	BL	BL	BL
145	Polymer Membranes	BL	BL	BL	BL	BL
146	Green Plastic Sticker	BL	BL	BL	BL	BL
147	White Plastic Sticker	BL	BL	BL	BL	BL
148	Copper Foil	BL	BL	BL	BL	N/A
149	Aluminum Foil	BL	BL	BL	BL	N/A
150	Black Stickers	BL	BL	BL	BL	BL
151	Black Plastic Sheet	BL	BL	BL	BL	BL
152	White Plastic Case	BL	BL	BL	BL	BL
153	White Soft Plastics	BL	BL	BL	BL	BL
154	Silver Electroplating	BL	BL	BL	BL	N/A
155	Plastic Cover Substrate	BL	BL	BL	BL	BL
156	Silver Horn Net	BL	BL	BL	BL	BL
157	White Soft Rubber (Earplugs)	BL	BL	BL	BL	BL
158	Silver Metal Cover	BL	BL	BL	BL	N/A
159	Transparent Plastic	BL	BL	BL	BL	BL
160	Copper Wire	BL	BL	BL	BL	N/A

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		Pb	Cd	Hg	Cr	Br
161	Black Magnet	BL	BL	BL	BL	N/A
162	Silver Metal Case	BL	BL	BL	BL	N/A
163	Green Fiberboard	BL	BL	BL	BL	X
164	Solder Point	BL	BL	BL	BL	N/A
165	Blue Viscose	BL	BL	BL	BL	BL
166	White Plastic Case	BL	BL	BL	BL	BL
167	White Plastic Cover	BL	BL	BL	BL	BL
168	Silver Electroplating	BL	BL	BL	BL	N/A
169	Plastic Button Substrate	BL	BL	BL	BL	BL
170	Silver Metal Components	BL	BL	BL	BL	N/A
171	Silver Metal Case (Switch Cover)	BL	BL	BL	X	N/A
172	Black Plastic Shell (Touch Switch)	BL	BL	BL	BL	BL
173	Black Plastic Button (Touch Switch)	BL	BL	BL	BL	BL
174	Silver Metal Sheet (Touch Switch)	BL	BL	BL	BL	N/A
175	Silver Metal Pin (Touch Switch)	BL	BL	BL	BL	N/A
176	Solder Point	BL	BL	BL	BL	N/A
177	White Plastic Fasteners	BL	BL	BL	BL	BL
178	Blue Wire Outer Skin	BL	BL	BL	BL	BL
179	Gold Wire Outer Skin	BL	BL	BL	BL	BL
180	Green Wire Outer Skin	BL	BL	BL	BL	BL

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Seq. No.	Tested Part(s)	Results				
		Pb	Cd	Hg	Cr	Br
181	Red Wire Outer Skin	BL	BL	BL	BL	BL
182	Wire Internal Metal Wire	BL	BL	BL	BL	N/A
183	White Plastic Skin	BL	BL	BL	BL	BL
184	Internal Translucent Plastic	BL	BL	BL	BL	BL
185	Internal White Plastic	BL	BL	BL	BL	BL
186	Silver Metal Round Plug	X	BL	BL	BL	N/A
187	Solder Point	BL	BL	BL	BL	N/A
188	White Plastic Case	BL	BL	BL	BL	BL
189	Silver Metal Round Plug	BL	BL	BL	BL	N/A
190	White Plastic Cover	BL	BL	BL	BL	BL
191	Black Plastic Sheet	BL	BL	BL	BL	BL
192	PCB	BL	BL	BL	BL	X
193	Solder Point	BL	BL	BL	BL	N/A
194	Black Ceramic Body Chip	BL	BL	BL	BL	BL
195	Patch Resistor	BL	BL	BL	BL	BL
196	Multiplayer Ceramic Chip Capacitors	BL	BL	BL	BL	BL
197	Patch Diode	BL	BL	BL	BL	BL
198	Chromatic Ring Inductor	BL	BL	BL	BL	BL
199	Silver Metal Pin	BL	BL	BL	BL	N/A
200	Electrolytic Capacitor Outer Layer Plastic Leather	BL	BL	BL	BL	BL

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		Pb	Cd	Hg	Cr	Br
201	Electrolytic Capacitor Silver Metal Case	BL	BL	BL	BL	N/A
202	Electrolytic Capacitor Internal Sticker	BL	BL	BL	BL	BL
203	Silver Metal Case (USB)	BL	BL	BL	BL	N/A
204	Internal White Plastic (USB)	BL	BL	BL	BL	BL
205	Gold Metal Needles	BL	BL	BL	BL	N/A
206	Electrolytic Capacitor Silver Metal Case	BL	BL	BL	BL	N/A
207	Electrolytic Capacitor Internal Sticker	BL	BL	BL	BL	BL
208	Yellow Plastic Sticker	BL	BL	BL	BL	BL
209	Black Square Magnetic Ring	BL	BL	BL	BL	BL
210	Transformer Ceramic Frame	BL	BL	BL	BL	BL
211	Transformer Copper Winding	BL	BL	BL	BL	N/A
212	White Viscose	BL	BL	BL	BL	BL
213	Black Heat Shrink Tube Sleeve	BL	BL	BL	BL	BL
214	Color Ring Resistance	BL	BL	BL	BL	BL
215	Silver Metal Pin	BL	BL	BL	BL	N/A
216	White Soft Plastics	BL	BL	BL	BL	BL
217	Internal Translucent Plastic	BL	BL	BL	BL	BL
218	Silver Metal Case	BL	BL	BL	X	N/A
219	Internal Black Plastic	BL	BL	BL	BL	BL
220	Gold Metal Needles	BL	BL	BL	BL	N/A

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Seq. No.	Tested Part(s)	Results				
		Pb	Cd	Hg	Cr	Br
221	PCB	BL	BL	BL	BL	X
222	Solder Point	BL	BL	BL	BL	N/A
223	Black Plastic Wire Outer Skin	BL	BL	BL	BL	BL
224	Red Plastic Wire Outer Skin	BL	BL	BL	BL	BL
225	Green Plastic Wire Outer Skin	BL	BL	BL	BL	BL
226	White Plastic Wire Outer Skin	BL	BL	BL	BL	BL
227	Wire Internal Metal Wire	BL	BL	BL	BL	N/A
228	White Plastic Skin	BL	BL	BL	BL	BL
229	White Soft Plastics (USB)	BL	BL	BL	BL	BL
230	Internal Translucent Plastic (USB)	BL	BL	BL	BL	BL
231	Silver Metal Case (USB)	BL	BL	BL	BL	N/A
232	Internal White Plastic (USB)	BL	BL	BL	BL	BL
233	Silver Metal Needles	BL	BL	BL	BL	N/A
234	Solder Point	BL	BL	BL	BL	N/A

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Remark:

(1) Results were obtained by XRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs, PBDEs) are recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321-3-1:2013.

Element	Unit	Non-metal	Metal	Composite Material
Cd	mg/kg	$BL \leq 70 - 3\sigma < X < 130 + 3\sigma \leq OL$	$BL \leq 70 - 3\sigma < X < 130 + 3\sigma \leq OL$	$BL \leq 50 - 3\sigma < X < 150 + 3\sigma \leq OL$
Pb	mg/kg	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 500 - 3\sigma < X < 1500 + 3\sigma \leq OL$
Hg	mg/kg	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 500 - 3\sigma < X < 1500 + 3\sigma \leq OL$
Cr	mg/kg	$BL \leq 700 - 3\sigma < X$	$BL \leq 700 - 3\sigma < X$	$BL \leq 500 - 3\sigma < X$
Br	mg/kg	$BL \leq 300 - 3\sigma < X$	--	$BL \leq 250 - 3\sigma < X$

Note:

- BL = Below Limit
- OL = Over Limit
- X = Inconclusive
- N/A = Not Applicable

(2) The XRF screening test for RoHS elements – The reading may be different to the actual content in the sample be of non-uniformity composition.

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(3) The maximum permissible limit is quoted from the document 2011/65/EU and its amendment directives 2015/863/EU:

RoHS Restricted Substances	Maximum Concentration Value (mg/kg) (by weight in homogenous materials)
Cadmium (Cd)	≤100
Lead (Pb)	≤1000
Mercury (Hg)	≤1000
Hexavalent Chromium (Cr(VI))	≤1000
Polybrominated biphenyls (PBBs)	≤1000
Polybrominate ddiphenylethers (PBDEs)	≤1000

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2. The Test Results of Chemical Method:

Test method:

Lead, Cadmium, Mercury Content:

With reference to IEC 62321-5:2013 and IEC62321-4:2013+AMD1:2017, by acid digestion and analysis was performed by Inductively Coupled Plasma- Atomic Emission Spectrophotometer (ICP-AES)

Hexavalent Chromium Content (For metal material):

With reference to IEC 62321-7-1:2015, by boiling-water-extraction and analysis was performed by UV-visible spectrophotometer (UV-Vis)

Hexavalent Chromium Content (For non-metal material):

With reference to IEC 62321-7-2:2017, by alkaline digestion and analysis was performed by UV-visible spectrophotometer (UV-Vis)

PBBs & PBDEs Content:

With reference to IEC 62321-6:2015, by solvent extraction and analysis was performed by gas chromatographic/mass spectrometer (GC-MS)

DEHP, BBP, DBP&.DIBP content:

With reference to IEC 62321-8:2017 by solvent extraction and analysis was performed by gas chromatographic -mass spectrometer (GC-MS)

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1) The test results of Cr (VI)

Item	Unit	MDL	Results					Limit
			29	48	58	67	70	
Hexavalent Chromium (Cr (VI)) (Metal material)	µg/cm ²	/	Negative	Negative	Negative	Negative	Negative	#
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Results					Limit
			73	91	93	103	109	
Hexavalent Chromium (Cr (VI)) (Metal material)	µg/cm ²	/	Negative	Negative	Negative	Negative	Negative	#
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Results				Limit
			122	124	171	218	
Hexavalent Chromium (Cr (VI)) (Metal material)	µg/cm ²	/	Negative	Negative	Negative	Negative	#
Conclusion	/	/	Pass	Pass	Pass	Pass	/

Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- Negative= Sample Cr(VI) concentration is less than 0.10 µg/cm²
Positive = Sample Cr(VI) concentration is greater than 0.13 µg/cm²
- # =
Positive indicates the presence of Cr(VI) on the tested areas and the test results are considered to be incompatible with Directive 2011/65/EU (RoHS 2.0) requirement.
Negative indicates the absence of Cr(VI) on the tested areas and the test results are considered to be consistent with Directive 2011/65/EU (RoHS 2.0) requirement.
- mg/kg = ppm

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2) The test results of Pb

Item	Unit	MDL	Results	Limit
			186	
Lead(Pb)	mg/kg	2	12419*	≤1000
Conclusion	/	/	Pass	/

Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- mg/kg = ppm
- *= the weight of lead in the copper alloy does not exceed 4%(40000ppm).

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3) The test results of PBBs & PBDEs

Item	Unit	MDL	Results				Limit
			63	163	192	221	
Polybrominated Biphenyls (PBBs)							
Monobromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	/
Dibromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	/
Tribromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	/
Tetrabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	/
Pentabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	/
Hexabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	/
Heptabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	/
Octabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	/
Nonabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	/
Decabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	/
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	≤1000
Polybrominated Diphenylethers (PBDEs)(Mon-Deca)							
Monobromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	/
Dibromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	/
Tribromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	/
Tetrabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	/
Pentabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	/
Hexabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	/
Heptabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	/
Octabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	/
Nonabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	/
Decabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	/
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	N.D.	N.D.	N.D.	N.D.	/

Note:

- N.D. = Not Detected or less than MDL
- mg/kg = ppm
- MDL = Method Detection Limit

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4) The test results of DEHP, BBP, DBP & DIBP

Item	Unit	MDL	Results					Limit
			1	2	3	4	5	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Results					Limit
			7	8	9	10	11	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Results					Limit
			12	15	16	17	18	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

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Item	Unit	MDL	Results					Limit
			19	20	21	22	23	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Results					Limit
			24	25	26	27	28	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Results					Limit
			30	32	34	36	38	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

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Item	Unit	MDL	Results					Limit
			40	41	42	43	45	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Results					Limit
			47	53	54	55	56	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Results					Limit
			57	59	61	63	65	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

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Item	Unit	MDL	Results					Limit
			66	69	71	74	75	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Results					Limit
			76	77	79	82	83	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Results					Limit
			84	86	87	92	94	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

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Item	Unit	MDL	Results					Limit
			97	98	99	102	104	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Results					Limit
			106	108	110	112	113	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Results					Limit
			114	116	119	121	123	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

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Item	Unit	MDL	Results					Limit
			125	126	129	132	133	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Results					Limit
			135	137	139	140	141	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Results					Limit
			142	144	145	146	147	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

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Item	Unit	MDL	Results					Limit
			150	151	152	153	155	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Results					Limit
			156	157	159	163	165	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Results					Limit
			166	167	169	172	173	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

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Item	Unit	MDL	Results					Limit
			177	178	179	180	181	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Results					Limit
			183	184	185	188	190	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Results					Limit
			191	192	194	195	196	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

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Item	Unit	MDL	Results					Limit
			197	198	200	202	204	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Results					Limit
			207	208	209	210	212	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Results					Limit
			213	214	216	217	219	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

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Item	Unit	MDL	Results					Limit
			221	223	224	225	226	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Results				Limit
			228	229	230	232	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	≤1000
Conclusion	/	/	Pass	Pass	Pass	Pass	/

Note:

- N.D. = Not Detected or less than MDL
- mg/kg = ppm
- MDL = Method Detection Limit
- Decision rule: According to DTI-CX-39-2020 《Decision rule for conformity of the test results》 .
- Flow chart appendix is included.
- Photo appendix is included.

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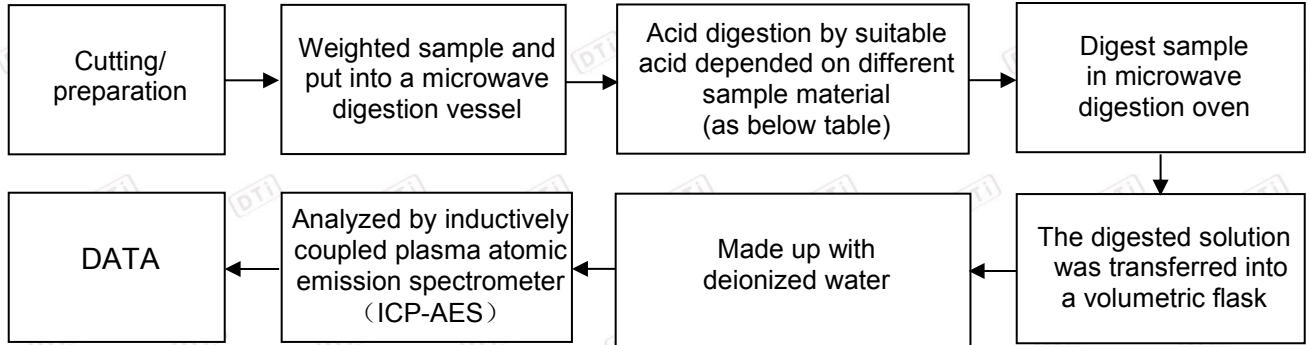
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Appendix I

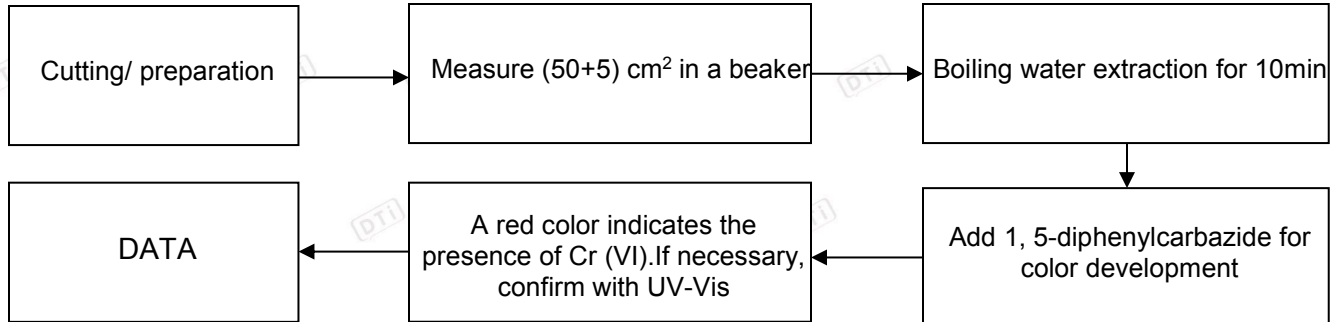
Test Flow chart

1. Test Flowchart for Cd / Pb /Hg content

These samples were dissolved totally by pre-conditioning method according to below flow chart.



2. Test Flowchart for Cr⁶⁺ content (Metal material)



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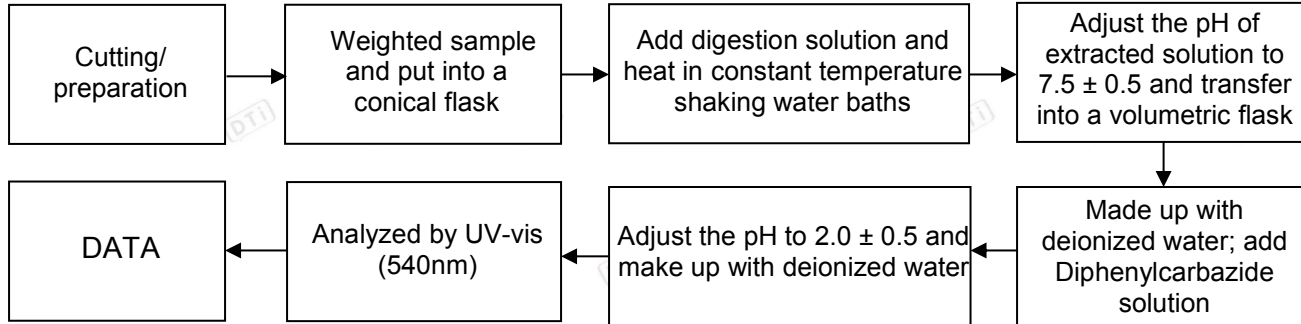
TEST REPORT

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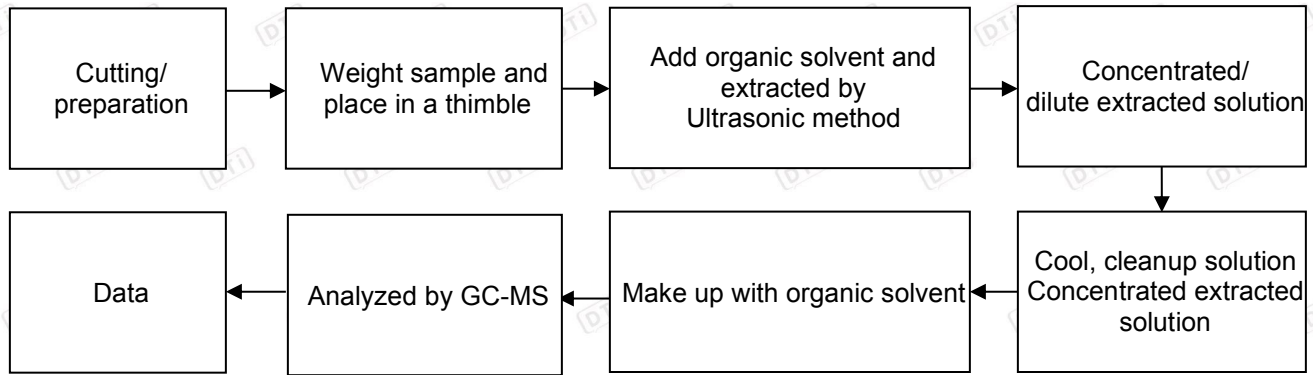
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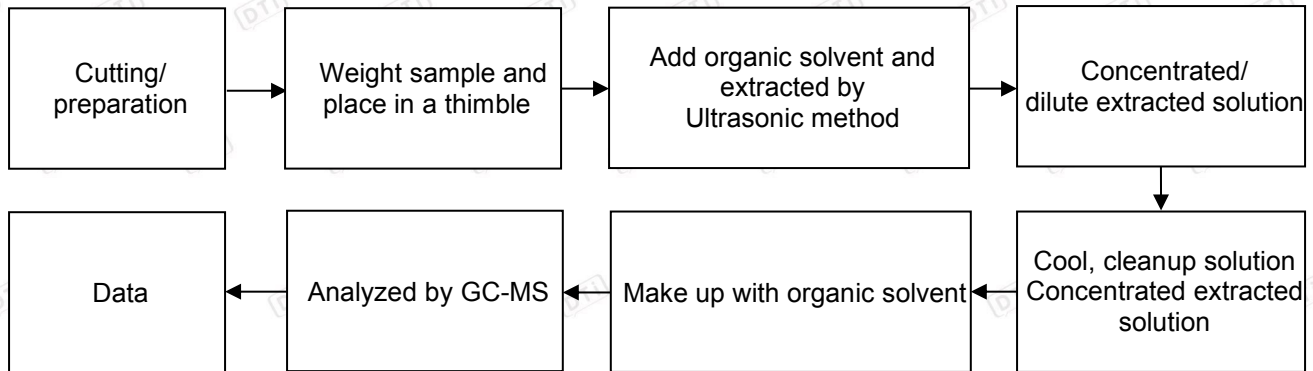
3. Test Flowchart for Cr⁶⁺ content (Non-metal material)



4. Test Flowchart for PBBs & PBDEs content



5. Test Flowchart for DEHP, BBP, DBP & DIBP content



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Table:

Sample material	Digestion Acid
Steel, copper, aluminum, solder	Aqua regia, HNO ₃ , HCl, HF, H ₂ O ₂
Glass	HNO ₃ /HF
Gold, platinum, palladium, ceramic	Aqua regia
Silver	HNO ₃
Plastic	H ₂ SO ₄ , H ₂ O ₂ , HNO ₃ , HCl
Others	Any acid to total digestion

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TEST REPORT

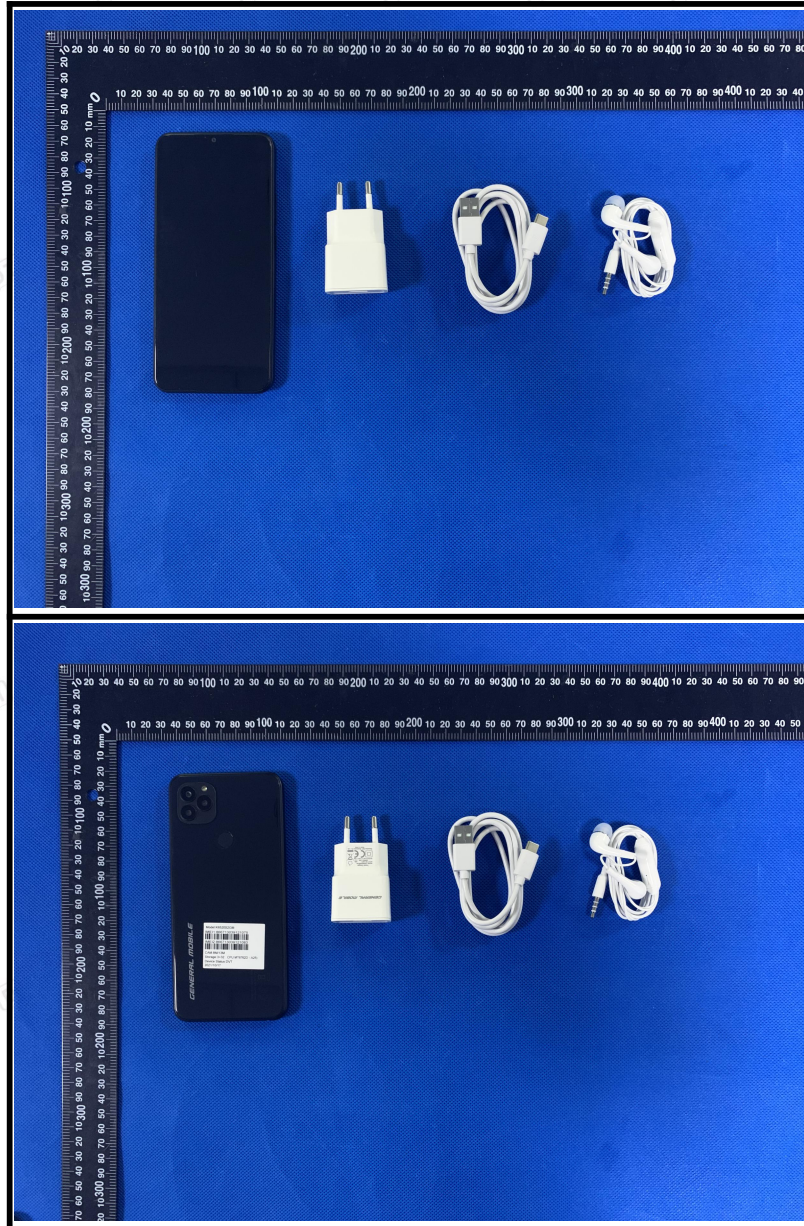
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Appendix II

Photograph of Sample



*** End of Report ***

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