



# TEST REPORT

REPORT No.:DTI20247000-2

Date:2024-12-06

Page 1 of 24

**Applicant Company Name: Hunan Xiezhen Electronics Co.,Ltd.**

**Applicant Company Address: Block A & B, Building 11, Innovation Park, Linyi Road, Bailutang Town, Suxian District,423038 Chenzhou, Hunan, P.R. China**

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

Sample Name : LED driver

Model No. : ID LCCB 40/230/150-1050 DT8 NFC FV1  
ID CCCB 20/230/150-500 DT8 NFC FV1  
XZ-SNCseries , XZ-SQseries, XZ-SG series, XZ-SND series, XZ-SCseries, XZ-SD series,XZ-SNE series, XZ-SF series, XZ-SEA series, XZ-SH series, XZ-SV series, XZ-SE series,XZ-SA series, XZ-SNA series, XZ-STseries, XZ-SNB series, XZ-SZ series, XZ-SR series,XZ-PA series, XZ-PH series, XZ-PF series, XZ-PB series, XZ-PEseries, PWC series, XZ-DK series, XZ-DB series, XZ-DN series, CSP series, XZ-CY series, XZ-CH series, XZ-QA series, XZ-QF series, XZ-QS series, XZ-QG series, XZ-QB series, XZ-QC series, XZ-QE series, XZ-QK series,XZ-QR series, XZ-QL series, XZ-LD series, XZ-LK series, ID series, XZ-KT series, RD series,XZ-ZS series, XZ-TMTD series, XZ-CMTD series, XZ-PK series, XZ-PI series, XZ-HA series,XZ-QD series, XZ-CV series, XZ-SK series, XZ-GN series, XZ-QH series, XZ-SY series, XZ-SN series, XZ-TR series, T22P4-WC series, T22P5-WC series, T22P3-WC series, T22PD-WC series, T22P6-WC series, T22P8-WC series, T22P9-WC series, T22PF-WC series,T22PA-WC series, T22PB-WC series, T22PF series, XZ-ME series, XZ-QY series, XZ-QM series,XZ-QN series, XZ-LT series, XZ-PX series, XZ-QI series, XZ-DF series, XZ-SC series,XZ-SG series, T22P7 series, XZ-DC series, CU series, XZ-LH series, IR series, IC series XNA series XZ-SL series XZ-YL series XZ-PD series, XZ-FLASH series, XZ-TRACK series, DALI-2 Address Backup Device, DALI-2 Address Backup Pro Device, External antenna casing, XZ-DALI series

Series models :

Manufacturer : Hunan Xiezhen Electronics Co.,Ltd.

Manufacturer Address : Block A & B, Building 11, Innovation Park, Linyi Road, Bailutang Town, Suxian District,423038 Chenzhou, Hunan, P.R. China

Sample Receiving Date : November 29, 2024

Testing Period : From November 29, 2024 to December 05, 2024

Results : Please refer to next page(s).

Shenzhen Deesev Testing International Corp

Approved by: Tommy Jiang  
lab manager

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# TEST REPORT

REPORT No.:DTI20247000-2

Date:2024-12-06

Page 2 of 24

Summary of Test Results:

## TEST REQUEST

## CONCLUSION

A Two hundred and forty two(242) 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 and EU 109/2012**

**Pass**  
(As remark)

Remark : According to the specified scope and analytical technique, concentration of each 242 SVHC is <0.1% in the submitted sample(s)

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# TEST REPORT

REPORT No.:DTI20247000-2

Date:2024-12-06

Page 3 of 24

**Results:**

Test Portions:

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

**A. Two hundred and forty two(242) 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 and EU 109/2012**

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-OES, UV-VIS, GC/MS, HPLC/MS and IC

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# TEST REPORT

REPORT No.:DTI20247000-2

Date:2024-12-06

Page 4 of 24

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

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# TEST REPORT

REPORT No.:DTI20247000-2

Date:2024-12-06

Page 5 of 24

No.	Items	CAS No.	EC No.	RL(%)	Results (%)	
					(1)	(2)
20	Anthracene oil, anthracene paste	90640-81-6	292-603-2	0.05	ND	ND
21	Diisobutyl phthalate	84-69-5	201-553-2	0.005	ND	ND
22	2,4-Dinitrotoluene	121-14-2	204-450-0	0.01	ND	ND
23	Coal tar pitch, high temperature***	65996-93-2	266-028-2	0.05	ND	ND
24	Tris (2-chloroethyl) phosphate	115-96-8	204-118-5	0.01	ND	ND
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7	0.05	ND	ND
26	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8	235-759-9	0.05	ND	ND
27	Lead chromate: chrome yellow	7758-97-6	231-846-0	0.05	ND	ND
28	Acrylamide	79-06-1	201-173-7	0.01	ND	ND
29	Trichloroethylene	79-01-6	201-167-4	0.005	ND	ND
30	Boric acid *	10043-35-3; 11113-50-1	233-139-2; 234-343-4	0.01	ND	ND
31	Disodium tetraborate, anhydrous	1330-43-4; 12179-04-3; 1303-96-4	215-540-4	0.01	ND	ND
32	Tetraboron disodium heptaoxide, hydrate	12267-73-1	235-541-3	0.01	ND	ND
33	Sodium chromate *	7775-11-3	231-889-5	0.01	ND	ND
34	Potassium chromate*	7789-00-6	232-140-5	0.01	ND	ND
35	Ammonium dichromate*	7789-09-5	232-143-1	0.01	ND	ND
36	Potassium dichromate	7778-50-9	231-906-6	0.01	ND	ND
37	Cobalt(II) sulphate *	10124-43-3	233-334-2	0.01	ND	ND
38	Cobalt(II) dinitrate*	10141-05-6	233-402-1	0.01	ND	ND

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Shenzhen Deesev Testing International Corp.

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# TEST REPORT

REPORT No.:DTI20247000-2

Date:2024-12-06

Page 6 of 24

No.	Items	CAS No.	EC No.	RL(%)	Results (%)	
					(1)	(2)
39	Cobalt(II) carbonate*	513-79-1	208-169-4	0.01	ND	ND
40	Cobalt(II) diacetate*	71-48-7	200-755-8	0.01	ND	ND
41	2-Methoxyethanol	109-86-4	203-713-7	0.005	ND	ND
42	2-Ethoxyethanol	110-80-5	203-804-1	0.005	ND	ND
43	Chromium trioxide*	1333-82-0	215-607-8	0.01	ND	ND
44	<sup>①</sup> 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	0.01	ND	ND
45	1,2,3-trichloropropane	96-18-4	202-486-1	0.01	ND	ND
46	Strontium chromate*	7789-06-2	232-142-6	0.01	ND	ND
47	2-ethoxyethyl acetate	111-15-9	203-839-2	0.01	ND	ND
48	<sup>①</sup> 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	271-084-6	0.01	ND	ND
49	Hydrazine	7803-57-8 302-01-2	206-114-9	0.01	ND	ND
50	1-methyl-2-pyrrolidone	872-50-4	212-828-1	0.01	ND	ND
51	<sup>①</sup> 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	276-158-1	0.01	ND	ND
52	Dichromium tris(chromate)*	24613-89-6	246-356-2	0.01	ND	ND
53	Potassium hydroxyoctaoxodizincatedi-chromate *	11103-86-9	234-329-8	0.01	ND	ND
54	Pentazinc chromate octahydroxide	49663-84-5	256-418-0	0.01	ND	ND
55	<sup>②</sup> Aluminosilicate Refractory Ceramic Fibres (Al-RCF)**	-	-	0.05	ND	ND

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# TEST REPORT

REPORT No.:DTI20247000-2

Date:2024-12-06

Page 7 of 24

No.	Items	CAS No.	EC No.	RL(%)	Results (%)	
					(1)	(2)
56	②Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)**	-	-	0.05	ND	ND
57	①Formaldehyde, oligomeric reaction products with aniline (technical MDA) <sup>^</sup>	25214-70-4	500-036-1	0.01	ND	ND
58	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	0.005	ND	ND
59	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	0.005	ND	ND
60	4-(1,1,3,3-tetramethylbutyl) phenol, (4-tert-Octylphenol)	140-66-9	205-426-2	0.005	ND	ND
61	1,2-Dichloroethane	107-06-2	203-458-1	0.005	ND	ND
62	Bis (2-methoxyethyl) ether	111-96-6	203-924-4	0.005	ND	ND
63	Arsenic acid *	7778-39-4	231-901-9	0.01	ND	ND
64	Calcium arsenate*	7778-44-1	231-904-5	0.01	ND	ND
65	Trilead diarsenate*	3687-31-8	222-979-5	0.01	ND	ND
66	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	0.005	ND	ND
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	0.005	ND	ND
68	Phenolphthalein	77-09-8	201-004-7	0.005	ND	ND
69	Lead azide Lead diazide*	13424-46-9	236-542-1	0.01	ND	ND
70	Lead styphnate*	15245-44-0	239-290-0	0.01	ND	ND
71	Lead dipicrate*	6477-64-1	229-335-2	0.01	ND	ND
72	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	203-977-3	0.01	ND	ND
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	0.01	ND	ND

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# TEST REPORT

REPORT No.:DTI20247000-2

Date:2024-12-06

Page 8 of 24

No.	Items	CAS No.	EC No.	RL(%)	Results (%)	
					(1)	(2)
74	®Diboron trioxide**	1303-86-2	215-125-8	0.01	ND	ND
75	Formamide	75-12-7	200-842-0	0.01	ND	ND
76	Lead(II) bis(methanesulfonate) **	17570-76-2	401-750-5	0.01	ND	ND
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	ND	ND
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	ND	ND
79	4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	202-027-5	0.01	ND	ND
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	0.01	ND	ND
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	ND	ND
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	ND	ND
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	ND	ND
84	4,4'-bis(dimethylamino)-4''-(methylamino) trityl alcohol	561-41-1	209-218-2	0.05	ND	ND
85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	214-604-9	0.05	ND	ND
86	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	0.05	ND	ND

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# TEST REPORT

REPORT No.:DTI20247000-2

Date:2024-12-06

Page 9 of 24

No.	Items	CAS No.	EC No.	RL(%)	Results (%)	
					(1)	(2)
87	Tricosafuorododecanoic acid	307-55-1	206-203-2	0.05	ND	ND
88	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	0.05	ND	ND
89	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	0.05	ND	ND
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated -covering well-defined substances and UVCB substances, polymers and homologues	-	-	0.05	ND	ND
91	④ 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	ND	ND
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	0.05	ND	ND
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	ND	ND
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	ND	ND

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# TEST REPORT

REPORT No.:DTI20247000-2

Date:2024-12-06

Page 10 of 24

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

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# TEST REPORT

REPORT No.:DTI20247000-2

Date:2024-12-06

Page 11 of 24

No.	Items	CAS No.	EC No.	RL(%)	Results (%)	
					(1)	(2)
115	Pentalead tetraoxide sulphate	12065-90-6	235-067-7	0.01	ND	ND
116	Pyrochlore, antimony lead yellow C.I.***	8012-00-8	232-382-1	0.01	ND	ND
117	Silicic acid, barium salt, lead-doped	68784-75-8	272-271-5	0.01	ND	ND
118	Silicic acid, lead salt	11120-22-2	234-363-3	0.01	ND	ND
119	Sulfurous acid, lead salt, dibasic	62229-08-7	263-467-1	0.01	ND	ND
120	Tetraethyllead	78-00-2	201-075-4	0.01	ND	ND
121	Tetralead trioxide sulphate	12202-17-4	235-380-9	0.01	ND	ND
122	Trilead dioxide phosphonate	12141-20-7	235-252-2	0.01	ND	ND
123	Furan	110-00-9	203-727-3	0.05	ND	ND
124	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	200-879-2	0.05	ND	ND
125	Diethyl sulphate	64-67-5	200-589-6	0.05	ND	ND
126	Dimethyl sulphate	77-78-1	201-058-1	0.05	ND	ND
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine3-	143860-04-2	421-150-7	0.05	ND	ND
128	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	0.05	ND	ND
129	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	0.05	ND	ND
130	4,4'-oxydianiline and its salts	101-80-4	202-977-0	0.05	ND	ND
131	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	200-453-6	0.05	ND	ND
132	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	202-453-1	0.05	ND	ND
133	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	0.05	ND	ND

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# TEST REPORT

REPORT No.:DTI20247000-2

Date:2024-12-06

Page 12 of 24

No.	Items	CAS No.	EC No.	RL(%)	Results (%)	
					(1)	(2)
134	Biphenyl-4-ylamine	92-67-1	202-177-1	0.05	ND	ND
135	o-aminoazotoluene	97-56-3	202-591-2	0.05	ND	ND
136	o-Toluidine; 2-Aminotoluene	95-53-4	202-429-0	0.05	ND	ND
137	N-methylacetamide	79-16-3	201-182-6	0.05	ND	ND
138	1-bromopropane; n-propyl bromide	106-94-5	203-445-0	0.05	ND	ND
139	Cadmium	7440-43-9	231-152-8	0.01	ND	ND
140	Cadmium oxide	1306-19-0	215-146-2	0.01	ND	ND
141	Ammonium pentadecafluorooctanoate	3825-26-1	223-320-4	0.01	ND	ND
142	Pentadecafluorooctanoic acid	335-67-1	206-397-9	0.01	ND	ND
143	Dipentyl phthalate	131-18-0	205-017-9	0.005	ND	ND
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 combinations thereof ]	-	-	0.05	ND	ND
145	Cadmium sulphide	1306-23-6	215-147-8	0.01	ND	ND
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	ND	ND

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# TEST REPORT

REPORT No.:DTI20247000-2

Date:2024-12-06

Page 13 of 24

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	ND	ND
148	Dihexyl phthalate(DHXP)	84-75-3	201-559-5	0.005	ND	ND
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	202-506-9	0.01	ND	ND
150	Lead di(acetate)	301-04-2	206-104-4	0.01	ND	ND
151	<sup>①</sup> Trixylyl phosphate	25155-23-1	246-677-8	0.01	ND	ND
152	cadmium dichloride	10108-64-2	233-296-7	0.01	ND	ND
153	<sup>①</sup> 1,2-benzenedicarboxylic acid dihexyl ester branched and linear	68515-50-4	271-093-5	0.01	ND	ND
154	<sup>③</sup> Sodium peroxometaborate	7632-04-4	231-556-4	0.01	ND	ND
155	<sup>③</sup> Sodium perborate; perboric acid,sodium salt	15120-21-5; 11138-47-9	239-172-9; 234-390-0	0.01	ND	ND
156	Cadmium fluoride	7790-79-6	232-222-0	0.01	ND	ND
157	Cadmium sulphate	10124-36-4; 31119-53-6	233-331-6	0.01	ND	ND
158	2-Benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	0.01	ND	ND
159	2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	0.01	ND	ND
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	ND	ND

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# TEST REPORT

REPORT No.:DTI20247000-2

Date:2024-12-06

Page 14 of 24

No.	Items	CAS No.	EC No.	RL(%)	Results (%)	
					(1)	(2)
161	① Reaction mass of 2-ethylhexyl10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl10-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	ND	ND
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201- 559-5)	68515-51-5; 68648-93-1;	271-094-0; 272-013-1;	0.05	ND	ND
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	ND	ND
164	1,3-propanesultone	1120-71-4	214-317-9	0.01	ND	ND
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol(uv-327)	3864-99-1	223-383-8	0.01	ND	ND
166	2-2(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	0.01	ND	ND
167	Nitrobenzene	98-95-3	202-716-0	0.01	ND	ND
168	Perfluorononan-1-oi-c-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3	0.01	ND	ND
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	200-028-5	0.01	ND	ND

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# TEST REPORT

REPORT No.:DTI20247000-2

Date:2024-12-06

Page 15 of 24

No.	Items	CAS No.	EC No.	RL(%)	Results (%)	
					(1)	(2)
170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	201-245-8	0.01	ND	ND
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	ND	ND
172	4-tert-pentylphenol (PTAP)	80-46-6	201-280-9	0.01	ND	ND
173	4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	-	0.01	ND	ND
174	Perfluorohexane-1-sulphonic acid and its salts(PFHxS)	-	-	0.01	ND	ND
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	ND	ND
176	Benz[a]anthracene	56-55-3	200-280-6	0.01	ND	ND
177	Cadmium nitrate	10325-94-7	233-710-6	0.01	ND	ND
178	Cadmium carbonate	513-78-0	208-168-9	0.01	ND	ND
179	Cadmium hydroxide	21041-95-2	244-168-5	0.01	ND	ND
180	Chrysene	218-01-9	205-923-4	0.01	ND	ND
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	ND	ND
182	Benzene -1,2,4- tricarboxylic acid 1,2- anhydride (TMA)	552-30-7	209-008-0	0.01	ND	ND

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# TEST REPORT

REPORT No.:DTI20247000-2

Date:2024-12-06

Page 16 of 24

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

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# TEST REPORT

REPORT No.:DTI20247000-2

Date:2024-12-06

Page 17 of 24

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	ND	ND
200	2-methoxyethyl acetate	110-49-6	203-772-9	0.01	ND	ND
201	TNPP Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	0.01	ND	ND
202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	0.01	ND	ND
203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	0.01	ND	ND
204	Diisohexyl phthalate	71850-09-4	276-090-2	0.01	ND	ND
205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	0.01	ND	ND
206	1-vinylimidazole	1072-63-5	214-012-0	0.01	ND	ND
207	2-methylimidazole	693-98-1	211-765-7	0.01	ND	ND
208	Butyl 4-hydroxybenzoate	94-26-8	202-318-7	0.01	ND	ND
209	Dibutylbis ( pentane-2 , 4-dionato- O , O ) tin	22673-19-4	245-152-0	0.01	ND	ND
210	Bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	205-594-7	0.01	ND	ND
211	Diocetyl tin dilaurate, stannane, Diocetyl-, 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	ND	ND

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# TEST REPORT

REPORT No.:DTI20247000-2

Date:2024-12-06

Page 18 of 24

No.	Items	CAS No.	EC No.	RL(%)	Results(%)	
					(1)	(2)
212	1,4-dioxane	123-91-1	204-661-8	0.01	ND	ND
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	ND	ND
214	2-(4-tert-butylbenzyl) propionaldehyde and its individual stereoisomers	-	-	0.01	ND	ND
215	4,4'-(1-methylpropylidene) bisphenol (bisphenol B)	77-40-7	201-025-1	0.01	ND	ND
216	Glutaral	111-30-8	203-856-5	0.01	ND	ND
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	ND	ND
218	Orthoboric acid, sodium salt	13840-56-7	237-560-2	0.01	ND	ND
219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual (PDDP)	-	-	0.01	ND	ND
220	6,6'-di-tert-butyl-2,2'-methylene-di-p-cresol(DBMC)	119-47-1	204-327-1	0.01	ND	ND
221	Tris-(2-methoxyethoxy)-vinylsilane	1067-53-4	213-934-0	0.01	ND	ND
222	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene] bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof(4-MBC)	-	-	0.01	ND	ND
223	S-(tricyclo[5.2.1.0 <sup>2,6</sup> ]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	401-850-9	0.01	ND	ND
224	N-(hydroxymethyl)acrylamide	924-42-5	213-103-2	0.01	ND	ND

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# TEST REPORT

REPORT No.:DTI20247000-2

Date:2024-12-06

Page 19 of 24

No.	Items	CAS No.	EC No.	RL(%)	Results(%)	
					(1)	(2)
225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene] (BTBPE)	37853-59-1	253-692-3	0.01	ND	ND
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol (TBBPA)	79-94-7	201-236-9	0.01	ND	ND
227	4,4'-sulphonyldiphenol (BPS)	80-09-1	201-250-5	0.01	ND	ND
228	Barium diboron tetraoxide	13701-59-2	237-222-4	0.01	ND	ND
229	Bis(2-ethylhexyl) tetrabromophthalate (TBPH) covering any of the individual isomers and/or combinations thereof	26040-51-7	247-426-5	0.01	ND	ND
230	Isobutyl 4-hydroxybenzoate (IBP)	4247-02-3	224-208-8	0.01	ND	ND
231	Melamine	108-78-1	203-615-4	0.01	ND	ND
232	Perfluoroheptanoic acid (PFHpA) and its salts	-	-	0.01	ND	ND
233	Reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	-	-	0.01	ND	ND
234	Bis(4-chlorophenyl) sulphone	80-07-9	-	0.01	ND	ND
235	Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide	75980-60-8	-	0.01	ND	ND
236	2,4,6-tri-tert-butylphenol	732-26-3	211-989-5	0.01	ND	ND
237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol(UV-329)	3147-75-9	221-573-5	0.01	ND	ND
238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	438-340-0	0.01	ND	ND
239	Bumetrizole(UV-326)	3896-11-5	223-445-4	0.01	ND	ND
240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	-	700-960-7	0.01	ND	ND
241	Bis( $\alpha,\alpha$ -dimethylbenzyl) peroxide	80-43-3	201-279-3	0.01	ND	ND

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# TEST REPORT

REPORT No.:DTI20247000-2

Date:2024-12-06

Page 20 of 24

No.	Items	CAS No.	EC No.	RL(%)	Results(%)	
					(1)	(2)
242	Triphenyl phosphate	115-86-6	204-112-2	0.01	ND	ND

Note:

- w/w % = weight by weight  
ND = Not Detected , lower than RL(Reporting Limit)
- \*: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), Monoctyl 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  
-The test results are calculated by the minimum weight of mixed components

\*\*\*\*\*

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# TEST REPORT

REPORT No.:DTI20247000-2

Date:2024-12-06

Page 21 of 24

**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 Article33 of European Union regulation concerning the Registration, Evaluation, Authorization and Restrictionof Chemicals (REACH).
  - 1)Any supplier shall provide the recipient of the article with sufficient information to allowsafe use of the article including, as a minimum, the name of that substance
  - 2)On request by a consumer any supplier shall provide theconsumer with sufficient information to allow safe use of the article including, as a minimum, the nameof that substance within 45 days of receipt of the request, free of charge.
- 2.The supplier of a substance that is included in theCandidate List on their own shall provide the recipient of the substance with a safety data sheet for freecompiled 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)Anysupplier 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 apreparation does not meet the criteria for classification as dangerous in accordance with Directive1999/45/EC, butcontains any substance that is included in the Candidate List in an individualconcentration of  $\geq 0.1$  % by weight for non-gaseous mixtures or $\geq 0.2$  % by volume for gaseousmixtures.
- Decision rule: According to DTI-CX-39-2022 《Decision rule for conformity of the test results》 .
- Flow chart appendix is included.
- Photo appendix is included.

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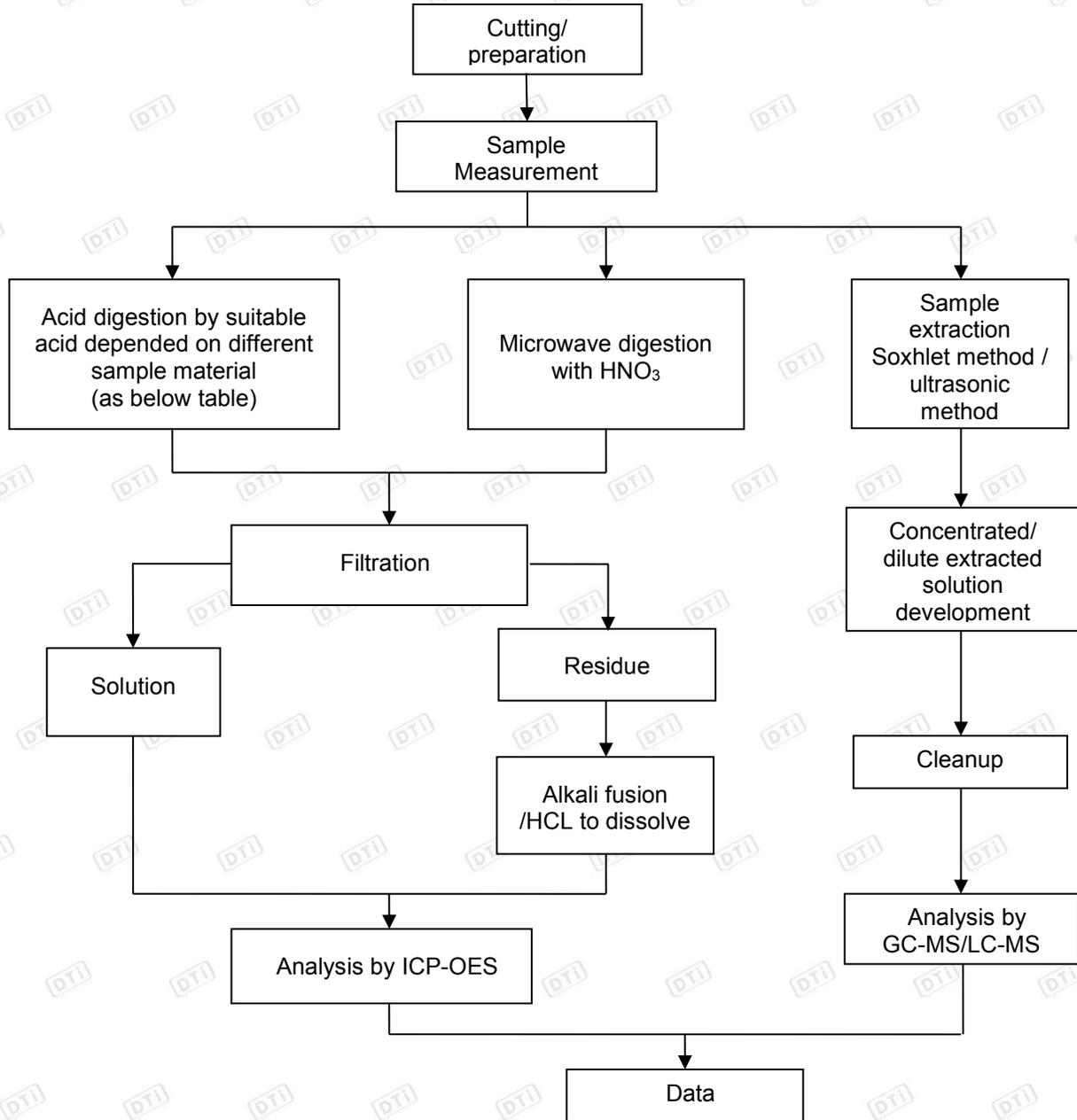
# TEST REPORT

REPORT No.:DTI20247000-2

Date:2024-12-06

Page 22 of 24

## Appendix



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# TEST REPORT

REPORT No.:DTI20247000-2

Date:2024-12-06

Page 23 of 24

Table:

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

\*\*\*\*\*

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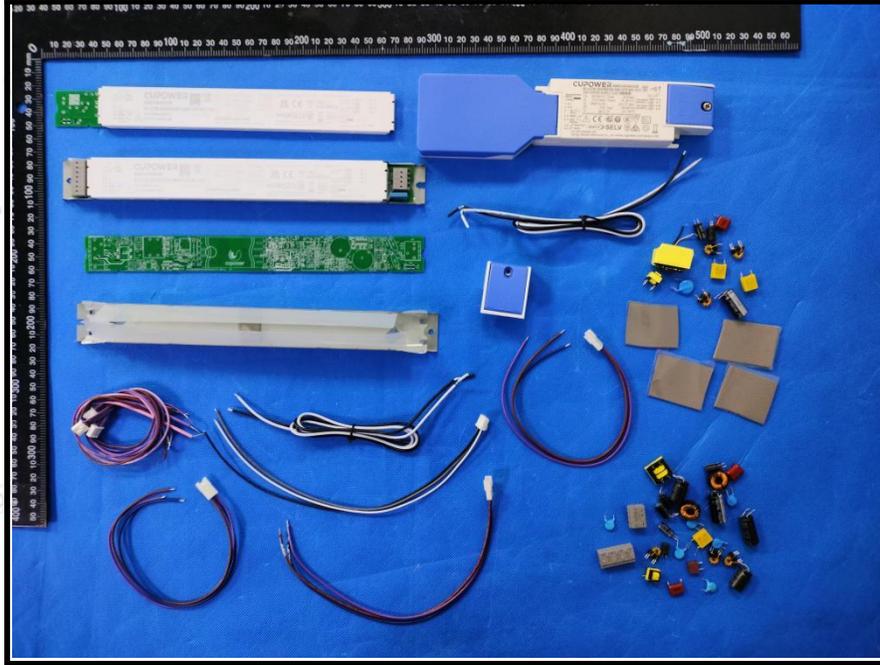
# TEST REPORT

REPORT No.:DTI20247000-2

Date:2024-12-06

Page 24 of 24

Photograph of Sample



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

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