TEST REPORT

REPORT No.: DTI2025EE040312-2 Date:2025-03-21

Applicant Company Name：Shenzhen Novgen Digital Energy Co.,LTD

Applicant Company Address：C503, Gaoxinqi Industrial Park Phase 1, Baoan District, Shenzhen, China

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

Sample Name	:	PLUG&PLAY SOLAR STORAGE SYSTEM
Model No.	:	S2400（2400）、S2400（2000）、S2400（1600）、S2400（1200）、S2400（1000）、S2400（800）、S2400（600）、S2400 AC (2400）、S2400 AC（2000）、S2400 AC（1600）、S2400 AC（1200）、S2400 AC（1000）、S2400 AC（800）、S2400 AC（600）
Trademark	:	sunpura sunpura NOVGEN NOVGEN sunpura
Manufacturer	:	Shenzhen Novgen Digital Energy Co.,LTD
Manufacturer Address	:	C503, Gaoxinqi Industrial Park Phase 1, Baoan District, Shenzhen, China
Factory	:	Shenzhen Novgen Digital Energy Co.,LTD
Factory Address	:	C503, Gaoxinqi Industrial Park Phase 1, Baoan District, Shenzhen, China
Sample Receiving Date	:	March 12, 2025
Testing Period	:	From March 12, 2025 to March 20, 2025
Results	:	Please refer to next page(s).

****

Summary of Test Results:

TEST REQUEST		**CONCLUSION**
A	Two hundred and forty seven (247) 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**	**Pass** (As remark)

Remark : According to the specified scope and analytical technique, concentration of each 247 SVHC is <0.1% in the submitted sample(s)

****

Shenzhen Deesev Testing International Corp

Approved by: _____
lab manager

Results:

Test Portions:

(1) =Mixture of Metal Parts

(2) =Mixture of Nonmetal Parts

A、Two hundred and forty seven (247) 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-OES, UV-VIS, GC/MS, HPLC/MS and IC

****

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 ($CoCl_2$)*	7646-79-9	231-589-4	0.01	ND	ND
5	Diarsenic pentaoxide (As_2O_5)*	1303-28-2	215-116-9	0.01	ND	ND
6	Diarsenic trioxide(As_2O_3)*	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) (SCCPs)	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	①Anthracene oil	90640-80-5	292-602-7	0.05	ND	ND
17	①Anthracene oil , anthracene paste, distn . Lights	91995-17-4	295-278-5	0.05	ND	ND
18	①Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	0.05	ND	ND
19	①Anthracene oil, anthracene-low	90640-82-7	292-604-8	0.05	ND	ND
20	①Anthracene oil, anthracene paste	90640-81-6	292-603-2	0.05	ND	ND

****

No.	Items	CAS No.	EC No.	RL(%)	Results (%)	
					(1)	(2)
21	Diisobutyl phthalate (DIBP)	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	①Pitch, coal tar, high-temp.***	65996-93-2	266-028-2	0.05	ND	ND
24	Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	204-118-5	0.01	ND	ND
25	②Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7	0.05	ND	ND
26	②Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8	235-759-9	0.05	ND	ND
27	②Lead 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	③Boric acid *	10043-35-3 11113-50-1	233-139-2 234-343-4	0.01	ND	ND
31	③Disodium tetraborate, anhydrous	1330-43-4 12179-04-3 1303-96-4	215-540-4	0.01	ND	ND
32	③Disodium tetraborate, anhydrous	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
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

****

No.	Items	CAS No.	EC No.	RL(%)	Results (%)	
					(1)	(2)
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	①Acids 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	Potassium 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	①1,2-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 (NMP)	872-50-4	212-828-1	0.01	ND	ND
51	①1,2-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 hydroxyoctaoxodizincatedichromate *	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	②Aluminosilicate Refractory Ceramic Fibres (Al-RCF)**	-	-	0.05	ND	ND

****

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 ▲	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	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	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 diazide, Lead azide*	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

****

No.	Items	CAS No.	EC No.	RL(%)	Results (%)	
					(1)	(2)
74	③Diboron 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(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	219-514-3	0.01	ND	ND
78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	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)***(with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	6786-83-0	229-851-8	0.05	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 (decabromodiphenyl ether) (DecaBDE)	1163-19-5	214-604-9	0.05	ND	ND
86	Pentacosafluorotridecanoic acid	72629-94-8	276-745-2	0.05	ND	ND

****

No.	Items	CAS No.	EC No.	RL(%)	Results (%)	
					(1)	(2)
87	Tricosafluorododecanoic acid	307-55-1	206-203-2	0.05	ND	ND
88	Henicosafluoroundecanoic acid	2058-94-8	218-165-4	0.05	ND	ND
89	Heptacosafluorotetradecanoic 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	①4-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)) (ADCA)	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	Hexahydromethylphathalic anhydride, Hexahydro-4-methylphathalic anhydride, 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	0.05	ND	ND

****

No.	Items	CAS No.	EC No.	RL(%)	Results (%)	
					(1)	(2)
95	Methoxyacetic acid	625-45-6	210-894-6	0.05	ND	ND
96	①1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	84777-06-0	284-032-2	0.01	ND	ND
97	Diisopentyl phthalate (DIPP)	605-50-5	210-088-4	0.005	ND	ND
98	n-pentyl-isopentyl phtalate	776297-69-9	933-378-9	0.005	ND	ND
99	1,2-diethoxyethane	629-14-1	211-076-1	0.05	ND	ND
100	N,N-dimethylformamide	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	Trilead bis(carbonate) dihydroxide)	1319-46-6	215-290-6	0.01	ND	ND
104	Lead oxide sulfate	12036-76-9	234-853-7	0.01	ND	ND
105	[Phthalato(2-)]dioxotrilead	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 cynamidate	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 monoxide (lead oxide)	1317-36-8	215-267-0	0.01	ND	ND
112	Orange lead (lead tetroxide)	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

****

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 ***	8012-00-8	232-382-1	0.01	ND	ND
117	Silicic acid ($H_2Si_2O_5$), barium salt (1:1), 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	Methyloxirane (Propylene oxide)	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-oxazolidine	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	60-09-3	200-453-6	0.05	ND	ND
132	4-methyl-m-phenylenediamine (toluene-2,4-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
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	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

****

No.	Items	CAS No.	EC No.	RL(%)	Results (%)	
					(1)	(2)
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 (APFO)	3825-26-1	223-320-4	0.01	ND	ND
142	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	0.01	ND	ND
143	Dipentyl phthalate(DPP)	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
147	38 Disodium 4-amino-3 -[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6 -(phenylazo)naphthalene-2,7-di sulphonate (C.I. Direct Black 38) ***	1937-37-7	217-710-3	0.01	ND	ND

****

No.	Items	CAS No.	EC No.	RL(%)	Results (%)	
					(1)	(2)
148	Dihexyl phthalate	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	①Trixylyl phosphate	25155-23-1	246-677-8	0.01	ND	ND
152	Cadmium chloride	10108-64-2	233-296-7	0.01	ND	ND
153	①1,2-Benzenedicarboxylic acid dihexyl ester, branched and linear	68515-50-4	271-093-5	0.01	ND	ND
154	③Sodium peroxometaborate	7632-04-4	231-556-4	0.01	ND	ND
155	③Sodium 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

****

No.	Items	CAS No.	EC No.	RL(%)	Results (%)	
					(1)	(2)
161	①Reaction 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	ND	ND
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or 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	0.05	ND	ND
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 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-oic-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

****

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	221-470-5 206-400-3 --	0.01	ND	ND
172	p-(1,1-dimethylpropyl)phenol (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”TM) [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

****

No.	Items	CAS No.	EC No.	RL(%)	Results (%)	
					(1)	(2)
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 (trimellitic anhydride; TMA)	552-30-7	209-008-0	0.01	ND	ND
183	Dicyclohexyl phthalate (DCHP)	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

****

No.	Items	CAS No.	EC No.	RL(%)	Results (%)	
					(1)	(2)
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	98-54-4	202-679-0	0.01	ND	ND
199	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	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ⩾ 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	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	-	-	0.01	ND	ND
212	1,4-dioxane	123-91-1	204-661-8	0.01	ND	ND

****

No.	Items	CAS No.	EC No.	RL(%)	Results(%)	
					(1)	(2)
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	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 alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	0.01	ND	ND
220	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	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[5.2.1.0'2,6]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

****

No.	Items	CAS No.	EC No.	RL(%)	Results(%)	
					(1)	(2)
224	N-(hydroxymethyl)acrylamide	924-42-5	213-103-2	0.01	ND	ND
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 covering any of the individual isomers and/or combinations thereof	26040-51-7	247-426-5	0.01	ND	ND
230	Isobutyl 4-hydroxybenzoate	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 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(α,α-dimethylbenzyl) peroxide	80-43-3	201-279-3	0.01	ND	ND

No.	Items	CAS No.	EC No.	RL(%)	Results(%)	
					(1)	(2)
242	Triphenyl phosphate	115-86-6	204-112-2	0.01	ND	ND
243	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	2156592-54-8	701-118-1	0.010	ND	ND
244	O,O,O-triphenyl phosphorothioate	597-82-0	209-909-9	0.010	ND	ND
245	Octamethyltrisiloxane	107-51-7	203-497-4	0.010	ND	ND
246	Perfluamine	338-83-0	206-420-2	0.010	ND	ND
247	reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	421-820-9	0.010	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), 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
  -The test results are calculated by the minimum weight of mixed components

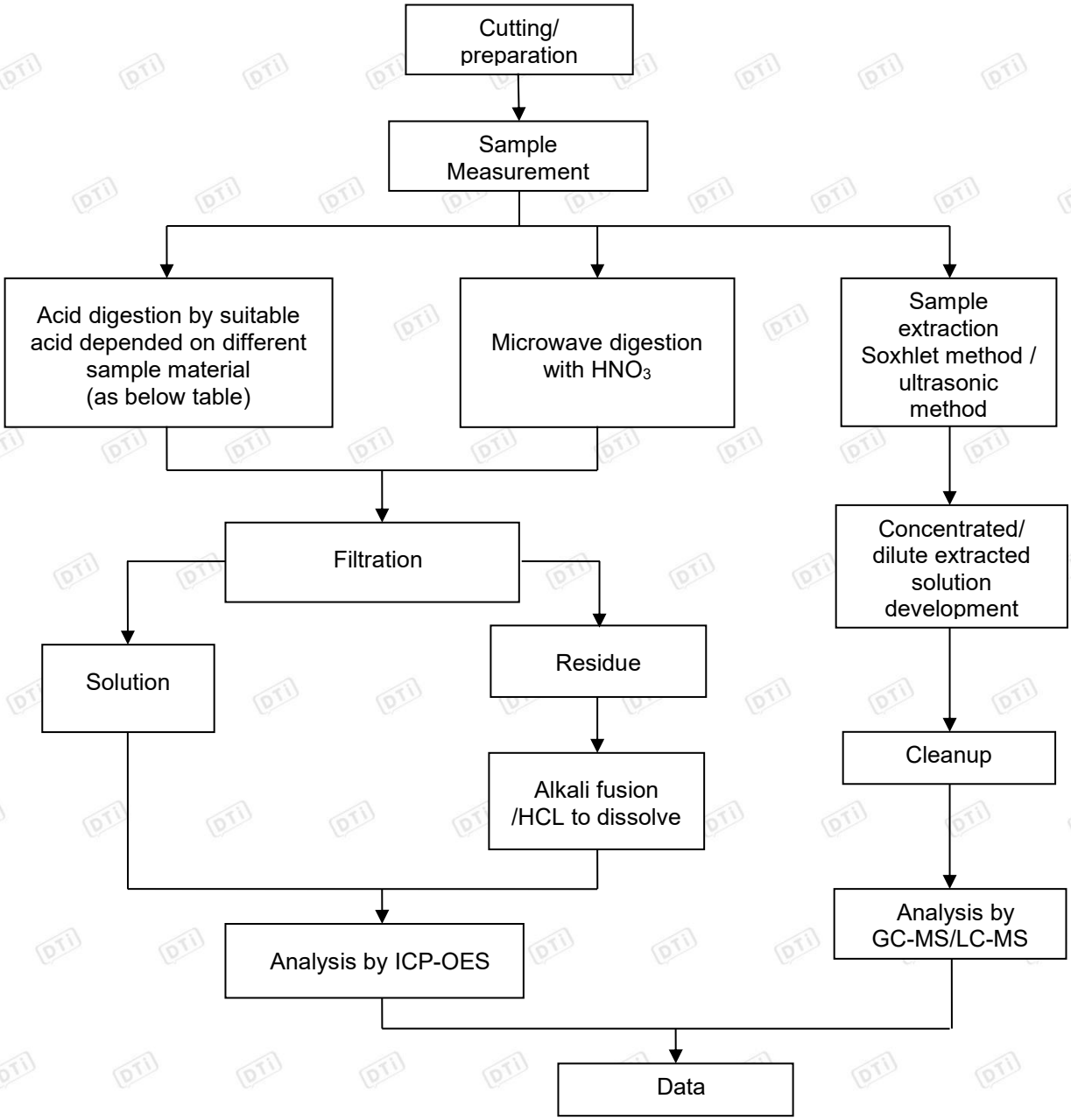
Remark:

- 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《Decision rule for conformity of the test results》
- Flow chart appendix is included.
- Photo appendix is included.

****

Appendix



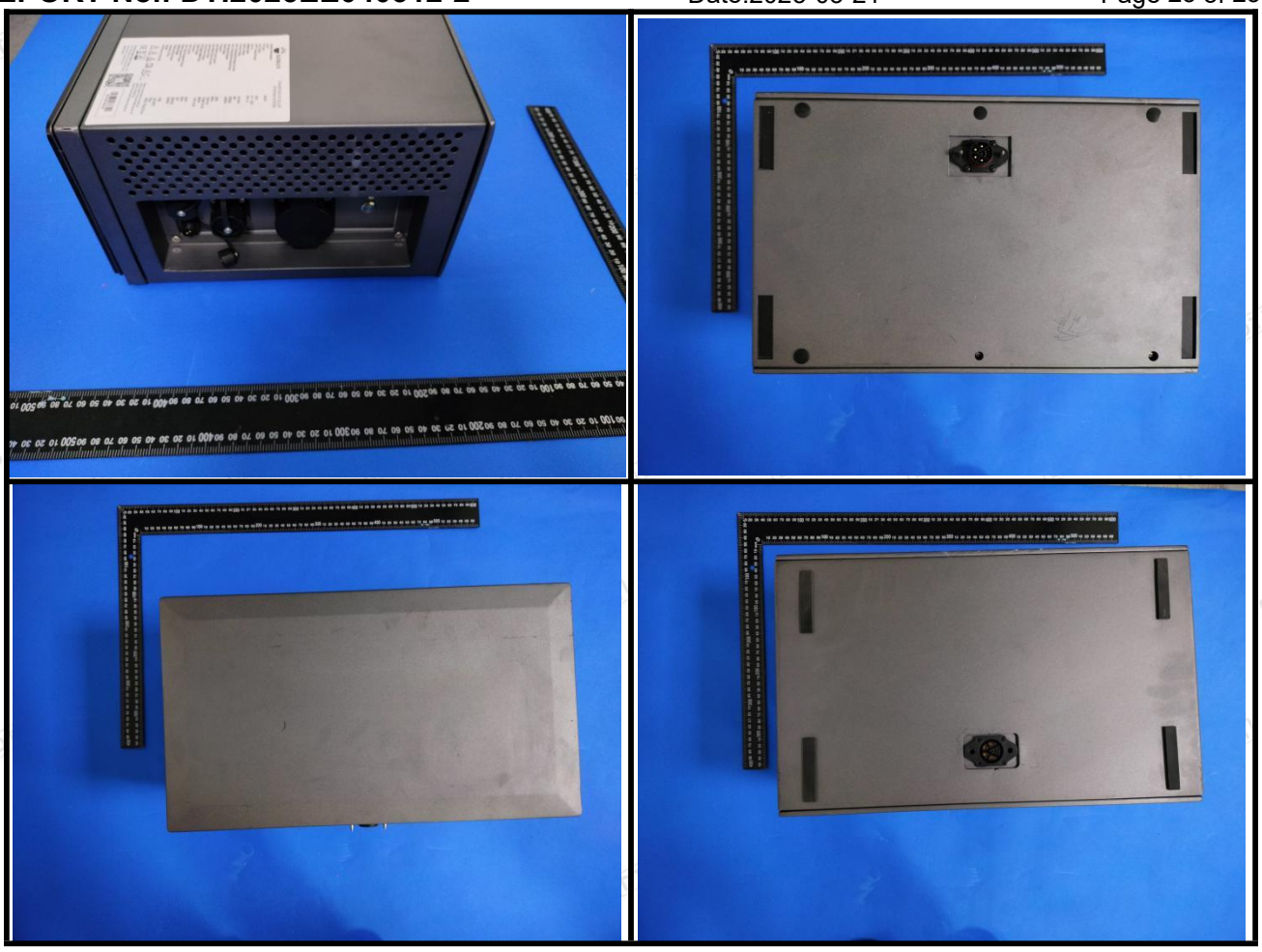
****

Table:

Sample material	Digestion Acid
Steel, copper, aluminum, solder	Aqua regia, HNO_3, HCL, HF, H_2O_2
Glass	HNO_3/HF
Gold, platinum, palladium, ceramic	Aqua regia
Silver	HNO_3
Plastic	H_2SO_4, H_2O_2, HNO_3,HCL
Others	Any acid to total digestion

****

Photograph of Sample



*** End of Report ***