VOLT ELEKTRİK MOTORLARI SAN. VE TİC. A.Ş.
Kazım Karabekir Caddesi No:84 Kemalpaşa 35735 İZMİR

To the attention of İpek İşler

The following sample(s) was/were submitted by the client as:

SGS Job No.	:	TR 2233865
Sample Description	:	ENGINE AND ENGINE COMPONENT
Brand Name	:	VOLT ELEKTRIK MOTOR
Date of Sample Received	:	08 December 2022
Testing Period	:	08 December 2022 ~ 10 January 2023

Test Requested :

As requested by client, SVHC screening is performed according to:

-Two hundred and twenty four (224) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jun 10, 2022 regarding Regulation (EC) No 1907/2006 concerning the REACH.

- One (1) substances newly included in the Consultation List of Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) on and before Jun 10, 2022 regarding Regulation (EC) No 1907/2006 concerning the REACH.

According to the specified scope and analytical techniques, SVHC with concentration > 0.1% (w/w) detected in the submitted sample: - Bis(2-ethylhexyl)phthalate (DEHP) * Please refer to Note 2 on the following page	WARNING (Remark 2 and 3)

The test results relate to the tested items only.
Test reports without SGS seal and authorized signatures are invalid.

Issued in Istanbul
Signed for and on behalf of
SGS Supervise Gözetme Etüd
Kontrol Servisleri A.Ş.

Mert Kurtuluş Hardline, C&H Customer Services Team Leader	Bora Şirinbilek Hardline & CPCH Testing Services Manager

Remark :

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

   - https://echa.europa.eu/candidate-list-table(Candidate list)

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

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

3. Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.

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

Test Part Description:

	ENGINE AND ENGINE COMPONENT
1	**ENGINE COMPONENT**
1.1	Silver Metal Kp30211000101 - 6313225 g ön (1)
1.2	Bronz Metal Ebt200630000 0.63 mm emaye coil wire h2 (2)
1.3	Bronz Metal Ebt 304000000 0.40mm emaye coil wire hcr 2m (3)
1.4	Bronz Metal Ebt4080000000.80 mm emaye coil wire thermex 240 (4)
1.5	Bronz Metal Ebt200950005 0.95 mm custom emaye coil wire (5)
1.6	Light beige Paper Myl1026800003 0,26 mm ısonom nkn 80886 (9)
1.7	Black Dye Boy52200000 heat resistant paint 52200 (10)
1.8	Transparent Dye Tın672000000 wing heat paint thinner (11)
1.9	White Dye Vrn000000003 varnish aquanel (12)
1.10	Silver Metal Sacdk05d0095 0.50*95 mm dpk sliced sheet (13)
1.11	Transparent Plastic Pla00ul00001 z4 a6 without glass fiber (27)
1.12	Black Plastic Fbrp0000000ky small fiber (18)
1.13	Brown Paper Prbgm0000287y interphase paper (gm00000287) (21)
1.14	White Plastic Prk0003000402y 80 tip propeller cover (24)
1.15	White Plastic Akulon000000 z1 akulon k224 hg6 nat (25)
1.16	Grey Plastic Per00ul00001 4 no 19*147.5*9 ul (26)
1.17	White Paper Prbgm0000287yul interphase paper (31)
1.18	White Plastic Prk0002000202y 75 tip propeller cover (35)
1.19	Silver Metal Sac2050d140 0.50*140mm m270sliced sheet (38)
1.20	Silver Metal Main (no name)
2	**MEK3000K00001Y 3000D/D SMALL MECHANISM (14)**
2.1	Black Plastic Mechanism main floor
2.2	Silver Metal Mechanism inner main
2.3	Silver Metal Mechanism inner spring
2.4	Silver Metal Mechanism inner tabs
2.5	Silver Metal Mechanism nail top floor
2.6	Silver Metal Mechanism nail rivet
3	**KABHT0D010000 1 MM2 HT450 SMOKE EVACUATION CABLE (8)**
3.1	White Plastic Cable outer
3.2	White Textile Cable inner ground
3.3	Silver Metal Cable inner wire
4	**Klk20000001201 80/2 mon terminal box and nut (16)**
4.1	Grey Plastic Terminal box ground
4.2	Grey Plastic Terminal box inner seal
4.3	Black Plastic Terminal box screw gasket
4.4	Black Plastic Terminal box screw gasket
4.5	Grey Plastic Terminal box screw

Test Part Description:

4.6	Grey Plastic Terminal box screw nut
4.7	Grey Plastic Terminal box screw connection
5	**GUK0065295025 6.6*3*1.4MM SILVER CONTACT (17)**
5.1	Black Plastic İgnition main ground
5.2	Black Plastic İgnition strip top ring
5.3	Bronz Metal İgnition conductive strip
5.4	Bronz Metal İgnition conductive strip
5.5	Silver Metal İgnition conductive strip rivet
5.6	Gold Metal İgnition conductive strip rivet
5.7	Silver Metal İgnition conductive strip solder
5.8	Green Plastic İgnition cable
5.9	Silver Metal İgnition cable wire
5.10	Gold Metal İgnition cable socket end
6	**KLK20000006003 63-71-80-90-100 KK BODY 1XM20 RAKOR (22)**
6.1	Grey Plastic Terminal box main ground
6.2	Grey Plastic Terminal box inner gasket
6.3	Black Plastic Terminal box screw gasket
6.4	Black Plastic Terminal box screw gasket
6.5	Grey Plastic Terminal box screw
6.6	Grey Plastic Terminal box screw nut
6.7	Grey Plastic Terminal box screw connection
7	**RAKOMRGES201 M20 RUL RAKOR (23)**
7.1	Grey Plastic Terminal screw connection
7.2	Grey Plastic Terminal screw
7.3	Black Plastic Terminal screw gasket
7.4	Black Plastic Terminal screw gasket
8	**KLET203000ULY 3 NO TRIFAZE TERMINAL (28)**
8.1	Black Plastic Terminal main
8.2	Silver Metal Terminal screw
9	**KABA90020000UL 20 AWG BLACK UL CABLE 0.61 MM2 (34)**
9.1	Yellow Plastic 20 awg cable macaron
9.2	Black white Plastic 20 awg cable
9.3	Silver Metal 20 awg cable wire
9.4	Gold Metal 20 awg cable end
10	**SEG117010000 17X1MM SHAFT SAFETY RING DIN 471 (36)**
10.1	Silver Metal Ring rivet
10.2	Black Metal Shaft safety ring
11	**KABS00100000T CABLE1X1,50MM2 (6)**
11.1	Yellow green Plastic Cable
11.2	Bronze Metal Cable wire

Test Part Description:

12	**SMALL TERMINAL (NO NAME)**
12.1	Black Plastic Terminal main
12.2	Silver Metal Terminal screw
13	**VOLT ENGINE VM71-4**
13.1	Silver Metal Engine protective box front cover
13.2	Silver Metal Engine protective box main floor
13.3	Black Plastic Engine protective box back cover
13.4	Black-grey Metal Engine protective box metal label
13.5	Grey Plastic Engine energy entry connection box
13.6	Grey Plastic Engine energy entry connection box gasket
13.7	Grey Plastic Engine energy entry connection box inside gasket
13.8	Black Plastic Engine energy entry cable crimping record gasket
13.9	Grey Plastic Engine energy entry cable crimping record
13.10	Grey Plastic Engine energy entry cable crimping record nut
13.11	Grey Plastic Engine energy entry cable crimping record cover
13.12	Black Plastic Engine energy entry cable crimping record inside gasket
13.13	Black Plastic Engine energy entry terminal
13.14	Silver Metal Engine energy entry terminal screw
13.15	Gold Metal Engine energy entry terminal stamp
13.16	White Plastic Engine fan propeller
13.17	Silver Metal Engine coil frame
13.18	Bronze Metal Engine coil wire
13.19	White Plastic Engine coil wire protective cover
13.20	Yellow Textile Engine coil wire fixing rope
13.21	Brown Paper Engine coil wire protective tape
13.22	White Paper Engine coil wire protective tape
13.23	Brown Plastic Engine coil cable macaron
13.24	White Plastic Engine coil cable macaron
13.25	Yellow Plastic Engine coil cable socket macaron
13.26	Gold Metal Engine cable end socket
13.27	Blue Plastic Engine cable
13.28	Black Plastic Engine cable
13.29	Brown Plastic Engine cable
13.30	Silver Metal Engine cable inside wire
13.31	Black Plastic Engine shaft gasket
13.32	Black Metal Engine shaft gasket
13.33	Silver Metal Engine shaft
13.34	Silver Metal Engine shaft roller
13.35	Silver Metal Engine main floor

Test Part Description:

13.36	Silver Metal Engine shaft lock apparatus
13.37	Silver Metal Engine box fixing screw
13.38	Silver Metal Engine box fixing screw
13.39	Silver Metal Engine box fixing screw
13.40	Silver Metal Engine box fixing screw
13.41	Silver Metal Engine box fixing screw
13.42	Silver Metal Engine box fixing nut
13.43	Silver Metal Engine box fixing nut
13.44	Silver Metal Engine box fixing stamp
13.45	Silver Metal Engine box fixing stamp
13.46	Black Metal Engine box fixing segment
13.47	Silver Metal Engine box fixing apparatus
13.48	Silver Metal Engine box fixing rivet
13.49	Grey Metal Engine protective box feet
13.50	Silver Metal Engine shaft roller inside stamp
13.51	Silver Metal Engine shaft roller inside ball
13.52	Silver Metal Engine shaft roller inside ball socket
13.53	Red Plastic Engine shaft end cover
14	**TERGM00036303 KRİMP 62308-2 (MIS) (37)**
14.1	Silver Metal Main
15	**GUK0065295010 - 6,6*3*1,4 MM SILVER CONTACT (19)**
15.1	Silver Metal Silver contact main
16	**KGFKP0000000Y-SMALL COMPLEX SILVER CONTACT FIBER (20)**
16.1	Black Plastic Contact main panel
16.2	Bronze Metal Contact conductive strip
16.3	Bronze Metal Contact conductive strip
16.4	Bronze Metal Contact conductive strip
16.5	Silver Metal Contact tip
16.6	Silver Metal Contact solder
16.7	Green Plastic Contact cable
16.8	Silver Metal Contact cable wire
16.9	Gold Metal Contact cable socket end
16.10	Gold Metal Contact cable socket end

Sample	Group No.	Component Description	Remark
A	1	1.1 + 1.2 + 1.3 + 1.4 + 1.5 + 1.10 + 1.19 + 1.20 + 2.2 + 2.3	-
A	2	1.6 + 1.13 + 1.17 + 13.21 + 13.22	-
A	3	1.7 + 1.8 + 1.9	-
A	4	1.11 + 1.12 + 1.14 + 1.15 + 1.16 + 1.18 + 2.1 + 3.1 + 4.1 + 4.2	-
A	5	2.4 + 2.5 + 2.6 + 3.3 + 5.3 + 5.4 + 5.5 + 5.6 + 5.7 + 5.9	-
A	6	3.2 + 13.20	-
A	7	4.3 + 4.4 + 4.5 + 4.6 + 4.7 + 5.1 + 5.2 + 5.8 + 6.1 + 6.2	-
A	8	5.10 + 8.2 + 9.3 + 9.4 + 10.1 + 10.2 + 11.2 + 12.2 + 13.1 + 13.2	-
A	9	6.3 + 6.4 + 6.5 + 6.6 + 6.7 + 7.1 + 7.2 + 7.3 + 7.4 + 8.1	-
A	10	9.1 + 9.2 + 11.1 + 12.1 + 13.3 + 13.5 + 13.6 + 13.7 + 13.8 + 13.9	-
A	11	13.4 + 13.14 + 13.15 + 13.17 + 13.18 + 13.26 + 13.30 + 13.32 + 13.33 + 13.34	-
A	12	13.10 + 13.11 + 13.12 + 13.13 + 13.16 + 13.19 + 13.23 + 13.24 + 13.25 + 13.27	-
A	13	13.28 + 13.29 + 13.53 + 16.1+ 16.7	-
A	14	13.35 + 13.36 + 13.37 + 13.38 + 13.39 + 13.40 + 13.41 + 13.42 + 13.43 + 13.44	-
A	15	13.45 + 13.46 + 13.47 + 13.48 + 13.49 + 13.50 + 13.51 + 13.52 + 14.1 + 15.1	-
A	16	16.2 + 16.3 + 16.4 + 16.5 + 16.6 + 16.8 + 16.9 + 16.10	-
A	17	13.31	-

Remarks:
1. INS = Insufficient sample for testing
2. The coating / printed material is tested together with the base substrate, the test result is the actual concentration from laboratory testing

Appendix

Candidate List of Substances of Very High Concern (SVHC) for authorization published on Oct 28, 2008

No.	Substance Name	CAS No./ EC No.
1	4,4'-Diaminodiphenylmethane (MDA)	101-77-9/ 202-974-4
3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8/ 287-476-5
5	Benzyl butyl phthalate (BBP)	85-68-7/ 201-622-7
7	Bis(tributyltin)oxide (TBTO)	56-35-9/ 200-268-0
9	Diarsenic pentaoxide*	1303-28-2/ 215-116-9
11	Dibutyl phthalate (DBP)	84-74-2/ 201-557-4
13	Lead hydrogen arsenate*	7784-40-9/ 232-064-2
15	Triethyl arsenate*	15606-95-8/ 427-700-2

No.	Substance Name	CAS No./ EC No.
2	5-tert-butyl-2,4,6-trinitro-*m*-xylene (musk xylene)	81-15-2/ 201-329-4
4	Anthracene	120-12-7/ 204-371-1
6	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7/ 204-211-0
8	Cobalt dichloride*	7646-79-9/ 231-589-4
10	Diarsenic trioxide*	1327-53-3/ 215-481-4
12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD)	25637-99-4/ 247-148-4; 3194-55-6/ 221-695-9; (134237-50-6/-; 134237-51-7/-; 134237-52-8/-)
14	Sodium dichromate*	7789-12-0 10588-01-9/ 234-190-3

Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 13, 2010

No.	Substance Name	CAS No./ EC No.
16	2,4-Dinitrotoluene	121-14-2/ 204-450-0
18	Anthracene oil, anthracene paste*	90640-81-6/ 292-603-2
20	Anthracene oil, anthracene paste; distn. Lights*	91995-17-4/ 295-278-5
22	Diisobutyl phthalate	84-69-5/ 201-553-2
24	Lead chromate*	7758-97-6/ 231-846-0
26	Pitch, coal tar, high temp.*	65996-93-2/ 266-028-2

No.	Substance Name	CAS No./ EC No.
17	Anthracene oil*	90640-80-5/ 292-602-7
19	Anthracene oil, anthracene paste, anthracene fraction*	91995-15-2/ 295-275-9
21	Anthracene oil, anthracene-low*	90640-82-7/ 292-604-8
23	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)*	12656-85-8/ 235-759-9
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2/ 215-693-7
27	Tris(2-chloroethyl)phosphate	115-96-8/ 204-118-5

Candidate List of Substances of Very High Concern (SVHC) for authorization published on Mar 30, 2010

No.	Substance Name	CAS No./ EC No.
28	Acrylamide	79-06-1/ 201-173-7

Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 18, 2010

No.	Substance Name	CAS No./ EC No.
29	Ammonium dichromate*	7789-09-5/ 232-143-1
31	Disodium tetraborate, anhydrous*	1303-96-4 1330-43-4 12179-04-3/ 215-540-4
33	Potassium dichromate*	7778-50-9/ 231-906-6
35	Tetraboron disodium heptaoxide, hydrate*	12267-73-1/ 235-541-3

No.	Substance Name	CAS No./ EC No.
30	Boric acid*	10043-35-3/ 233-139-2; 11113-50-1/ 234-343-4
32	Potassium chromate*	7789-00-6/ 232-140-5
34	Sodium chromate*	7775-11-3/ 231-889-5
36	Trichloroethylene	79-01-6/ 201-167-4

Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 15, 2010

No.	Substance Name	CAS No./ EC No.
37	2-Ethoxyethanol	110-80-5/ 203-804-1
39	Acids generated from chromium trioxide and their oligomers: Chromic acid Dichromic acid Oligomers of chromic acid and dichromic acid*	7738-94-5/ 231-801-5; 13530-68-2/ 236-881-5
41	Cobalt(II) carbonate*	513-79-1/ 208-169-4
43	Cobalt(II) dinitrate*	10141-05-6/ 233-402-1

No.	Substance Name	CAS No./ EC No.
38	2-Methoxyethanol	109-86-4/ 203-713-7
40	Chromium trioxide*	1333-82-0/ 215-607-8
42	Cobalt(II) diacetate*	71-48-7/ 200-755-8
44	Cobalt(II) sulphate*	10124-43-3/ 233-334-2

Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 20, 2011

No.	Substance Name	CAS No./ EC No.
45	1,2,3-Trichloropropane	96-18-4/ 202-486-1
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4/ 271-084-6
49	2-Ethoxyethyl acetate	111-15-9/ 203-839-2
51	Strontium chromate*	7789-06-2/ 232-142-6

No.	Substance Name	CAS No./ EC No.
46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6/ 276-158-1
48	1-Methyl-2-pyrrolidone	872-50-4/ 212-828-1
50	Hydrazine	7803-57-8 302-01-2/ 206-114-9

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Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 19, 2011

No.	Substance Name	CAS No./ EC No.
52	1,2-Dichloroethane	107-06-2/ 203-458-1
54	2-Methoxyaniline	90-04-0/ 201-963-1
56	Aluminosilicate Refractory Ceramic Fibres*	650-017-00-8 (Index no.)
58	Bis(2-methoxyethyl) ether	111-96-6/ 203-924-4
60	Calcium arsenate*	7778-44-1/ 231-904-5
62	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4/ 500-036-1
64	Lead dipicrate*	6477-64-1/ 229-335-2
66	N,N-dimethylacetamide (DMAC)	127-19-5/ 204-826-4
68	Phenolphthalein	77-09-8/ 201-004-7
70	Trilead diarsenate*	3687-31-8/ 222-979-5

No.	Substance Name	CAS No./ EC No.
53	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4/ 202-918-9
55	4-tert-Octylphenol	140-66-9/ 205-426-2
57	Arsenic acid*	7778-39-4/ 231-901-9
59	Bis(2-methoxyethyl) phthalate	117-82-8/ 204-212-6
61	Dichromium tris(chromate)*	24613-89-6/ 246-356-2
63	Lead diazide*	13424-46-9/ 236-542-1
65	Lead styphnate*	15245-44-0/ 239-290-0
67	Pentazinc chromate octahydroxide*	49663-84-5/ 256-418-0
69	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9/ 234-329-8
71	Zirconia Aluminosilicate Refractory Ceramic Fibres*	650-017-00-8 (Index no.)

Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 18, 2012

No.	Substance Name	CAS No./ EC No.
72	[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
74	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2/ 203-977-3
76	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8/ 202-027-5
78	Diboron trioxide*	1303-86-2/ 215-125-8
80	Lead(II) bis(methanesulfonate)*	17570-76-2/ 401-750-5
82	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9/ 219-514-3
84	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

No.	Substance Name	CAS No./ EC No.
73	[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
75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4/ 203-794-9
77	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1/ 209-218-2
79	Formamide	75-12-7/ 200-842-0
81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1/ 202-959-2
83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0/ 229-851-8

Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 19, 2012

No.	Substance Name	CAS No./ EC No.
85	[Phthalato(2-)]dioxotrilead*	69011-06-9/ 273-688-5
87	1,2-Diethoxyethane	629-14-1/ 211-076-1
89	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2/ 421-150-7
91	4,4'-Methylenedi-*o*-toluidine	838-88-0/ 212-658-8
93	4-Aminoazobenzene	60-09-3/ 200-453-6
95	4-Nonylphenol, branched and linear	-
97	Acetic acid, lead salt, basic*	51404-69-4/ 257-175-3
99	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5/ 214-604-9
101	Dibutyltin dichloride (DBT)	683-18-1/ 211-670-0
103	Diisopentylphthalate (DIPP)	605-50-5/ 210-088-4
105	Dinoseb	88-85-7/ 201-861-7
107	Fatty acids, C16-18, lead salts*	91031-62-8/ 292-966-7
109	Henicosafluoroundecanoic acid	2058-94-8/ 218-165-4
111	Hexahydro-2-benzofuran-1,3-dione, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7/ 201-604-9; 13149-00-3/ 236-086-3; 14166-21-3/ 238-009-9
113	Lead bis(tetrafluoroborate)*	13814-96-5/ 237-486-0
115	Lead dinitrate*	10099-74-8/ 233-245-9
117	Lead oxide sulphate*	12036-76-9/ 234-853-7
119	Lead titanium trioxide*	12060-00-3/ 235-038-9
121	Methoxyacetic acid	625-45-6/ 210-894-6
123	N-Methylacetamide	79-16-3/ 201-182-6
125	*o*-Aminoazotoluene	97-56-3/ 202-591-2
127	Pentacosafluorotridecanoic acid	72629-94-8/ 276-745-2

No.	Substance Name	CAS No./ EC No.
86	1,2-**B**enzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0/ 284-032-2
88	1-Bromopropane	106-94-5/ 203-445-0
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-
92	4,4'-Oxydianiline	101-80-4/ 202-977-0
94	4-Methyl-*m*-phenylenediamine	95-80-7/ 202-453-1
96	6-Methoxy-*m*-toluidine	120-71-8/ 204-419-1
98	Biphenyl-4-ylamine	92-67-1/ 202-177-1
100	C,C'-azodi(formamide) (ADCA)	123-77-3/ 204-650-8
102	Diethyl sulphate	64-67-5/ 200-589-6
104	Dimethyl sulphate	77-78-1/ 201-058-1
106	Dioxobis(stearato)trilead*	12578-12-0/ 235-702-8
108	Furan	110-00-9/ 203-727-3
110	Heptacosafluorotetradecanoic acid	376-06-7/ 206-803-4
112	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0/ 247-094-1; 19438-60-9/ 243-072-0; 48122-14-1/ 256-356-4; 57110-29-9/ 260-566-1
114	Lead cyanamidate*	20837-86-9/ 244-073-9
116	Lead monoxide*	1317-36-8/ 215-267-0
118	Lead tetroxide*	1314-41-6/ 215-235-6
120	Lead titanium zirconium oxide*	12626-81-2/ 235-727-4
122	N,N-Dimethylformamide	68-12-2/ 200-679-5
124	N-Pentyl-isopentylphthalate	776297-69-9 /-
126	*o*-Toluidine	95-53-4/ 202-429-0
128	Pentalead tetraoxide sulphate*	12065-90-6/ 235-067-7

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No.	Substance Name	CAS No./ EC No.
129	Propylene oxide	75-56-9/ 200-879-2
131	Silicic acid, barium salt, lead-doped*	68784-75-8/ 272-271-5
133	Sulfurous acid, lead salt, dibasic*	62229-08-7/ 263-467-1
135	Tetralead trioxide sulphate*	12202-17-4/ 235-380-9
137	Trilead bis(carbonate)dihydroxide*	1319-46-6/ 215-290-6

No.	Substance Name	CAS No./ EC No.
130	Pyrochlore, antimony lead yellow*	8012-00-8/ 232-382-1
132	Silicic acid, lead salt*	11120-22-2/ 234-363-3
134	Tetraethyllead*	78-00-2/ 201-075-4
136	Tricosafluorododecanoic acid	307-55-1/ 206-203-2
138	Trilead dioxide phosphonate*	12141-20-7/ 235-252-2

Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 20, 2013

No.	Substance Name	CAS No./ EC No.
139	4-Nonylphenol, branched and linear, ethoxylated	-
141	Cadmium	7440-43-9/ 231-152-8
143	Di-n-pentyl phthalate	131-18-0/ 205-017-9

No.	Substance Name	CAS No./ EC No.
140	Ammoniumpentadecafluoro octanoate (APFO)	3825-26-1/ 223-320-4
142	Cadmium oxide*	1306-19-0/ 215-146-2
144	Pentadecafluorooctanoic acid (PFOA)	335-67-1/ 206-397-9

Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 16, 2013

No.	Substance Name	CAS No./ EC No.
145	Cadmium sulphide*	1306-23-6/ 215-147-8
147	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
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7/ 202-506-9
151	Trixylyl phosphate	25155-23-1/ 246-677-8

No.	Substance Name	CAS No./ EC No.
146	Dihexyl phthalate	84-75-3/ 201-559-5
148	Disodium4-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
150	Lead di(acetate)*	301-04-2/ 206-104-4

Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 16, 2014

No.	Substance Name	CAS No./ EC No.
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4/ 271-093-5
154	Sodium perborate; perboric acid, sodium salt*	- / 234-390-0; 239-172-9

No.	Substance Name	CAS No./ EC No.
153	Cadmium chloride*	10108-64-2/ 233-296-7
155	Sodium peroxometaborate*	7632-04-4/ 231-556-4

Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 17, 2014

No.	Substance Name	CAS No./ EC No.
156	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7 / 223-346-6
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate; DOTE	15571-58-1 / 239-622-4
160	Cadmium fluoride*	7790-79-6 / 232-222-0

No.	Substance Name	CAS No./ EC No.
157	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1 / 247-384-8
159	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)	-
161	Cadmium sulphate*	10124-36-4; 31119-53-6 / 233-331-6

Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun15, 2015

No.	Substance Name	CAS No./ EC No.
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5; 68648-93-1/ 271-094-0; 272-013-1

No.	Substance Name	CAS No./ EC No.
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]	-

Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 17, 2015,

No.	Substance Name	CAS No./ EC No.
164	1,3-propanesultone	1120-71-4 / 214-317-9
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3 / 253-037-1
168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluorononanoic acid and its sodium and ammonium salts	375-95-1; 21049-39-8; 4149-60-4 / 206-801-3

No.	Substance Name	CAS No./ EC No.
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1 / 223-383-8
167	Nitrobenzene	98-95-3 / 202-716-0

Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 20, 2016

No.	Substance Name	CAS No./ EC No.
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8 / 200-028-5

Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 12, 2017

No.	Substance Name	CAS No./ EC No.
170	4,4'-Isopropylidenediphenol (Bisphenol A)	80-05-7 / 201-245-8
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salt	335-76-2; 3830-45-3; 3108-42-7/ 206-400-3; -; 221-470-5

No.	Substance Name	CAS No./ EC No.
171	4-Heptylphenol, branched and linear	-
173	p-(1,1-dimethylpropyl)phenol	80-46-6 / 201-280-9

Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jul 7, 2017

No.	Substance Name	CAS No./ EC No.
174	Perfluorohexane-1-sulphonic acid and its salts	-

Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 15, 2018

No.	Substance Name	CAS No./ EC No.
175	Benz[a]anthracene	56-55-3; 1718-53-2/ 200-280-6
177	Cadmium hydroxide*	21041-95-2/ 244-168-5
179	Chrysene	218-01-9; 1719-03-5/ 205-923-4
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]	-

No.	Substance Name	CAS No./ EC No.
176	Cadmium carbonate*	513-78-0/ 208-168-9
178	Cadmium nitrate*	10022-68-1; 10325-94-7/ 233-710-6
180	Dodecachloropentacyclo[12.2.1.$1^{6,9}$.$0^{2,13}$.$0^{5,10}$]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-

Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 27, 2018

No.	Substance Name	CAS No./ EC No.
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (TMA)	552-30-7 / 209-008-0
184	Decamethylcyclopentasiloxane (D5)	541-02-6 / 208-764-9
186	Disodium octaborate*	12008-41-2 / 234-541-0
188	Ethylenediamine (EDA)	107-15-3 / 203-468-6
190	Octamethylcyclotetrasiloxane (D4)	556-67-2 / 209-136-7

No.	Substance Name	CAS No./ EC No.
183	Benzo[ghi]perylene	191-24-2 / 205-883-8
185	Dicyclohexyl phthalate (DCHP)	84-61-7 / 201-545-9
187	Dodecamethylcyclohexasiloxane (D6)	540-97-6 / 208-762-8
189	Lead	7439-92-1 / 231-100-4
191	Terphenyl, hydrogenated	61788-32-7 / 262-967-7

Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 15, 2019

No.	Substance Name	CAS No./ EC No.
192	2,2-Bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6 / 401-720-1
194	Fluoranthene	206-44-0 / 205-912-4
196	Pyrene	129-00-0 / 204-927-3

No.	Substance Name	CAS No./ EC No.
193	Benzo[k]fluoranthene	207-08-9 / 205-916-6
195	Phenanthrene	85-01-8 / 201-581-5
197	Undecafluorohexanoic acid and its ammonium salt	307-24-4; 21615-47-4 / 206-196-6; 244-479-6

Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jul 16, 2019

No.	Substance Name	CAS No./ EC No.
198	2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides [covering any of their individual isomers and combinations thereof]	-
200	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-

No.	Substance Name	CAS No./ EC No.
199	2-Methoxyethyl acetate	110-49-6 / 203-772-9
201	4-tert-butylphenol	98-54-4 / 202-679-0

Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 16, 2020

No.	Substance Name	CAS No./ EC No.
202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3 / 119313-12-1
204	Diisohexyl phthalate	276-090-2 / 71850-09-4

No.	Substance Name	CAS No./ EC No.
203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6 / 71868-10-5
205	Perfluorobutane sulfonic acid (PFBS) and its salts	-

Candidate List of Substances of Very High Concern (SVHC) for authorization published on June 15, 2020

No.	Substance Name	CAS No./ EC No.
206	1-vinylimidazole	1072-63-5 / 214-012-0
208	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4 / 245-152-0

No.	Substance Name	CAS No./ EC No.
207	2-methylimidazole	693-98-1 / 211-765-7
209	Butyl 4-hydroxybenzoate (Butylparaben)	94-26-8 / 202-318-7

Candidate List of Substances of Very High Concern (SVHC) for authorization published on June 15, 2020

No.	Substance Name	CAS No./ EC No.
210	Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-7 / 143-24-8

No.	Substance Name	CAS No./ EC No.
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	-

Candidate List of Substances of Very High Concern (SVHC) for authorization published on July 08, 2021

No.	Substance Name	CAS No./ EC No.
212	2-(4-tert-butylbenzyl) propionaldehyde and its individual stereoisomers	-
214	2,2-bis(bromomethyl)propane1,3-diol (BMP); 2,2-dimethylpropan-1-ol, Tribromoderivative/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
216	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)	-
218	1,4-dioxane	123-91-1 / 204-661-8

No.	Substance Name	CAS No./ EC No.
213	Orthoboric acid, sodium salt	13840-56-7 / 237-560-2
215	Glutaral	111-30-8 / 203-856-5
217	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-
219	4,4'-(1-methylpropylidene) bisphenol	77-40-7 / 201-025-1

Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 17, 2022

No.	Substance Name	CAS No./ EC No.
220	(±)-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)	-
222	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

No.	Substance Name	CAS No./ EC No.
221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1 / 204-327-1
223	tris(2-methoxyethoxy)vinylsilane	1067-53-4 / 213-934-0

Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 10, 2022

No.	Substance Name	CAS No./ EC No.
224	'N-(hydroxymethyl) acrylamide	924-42-5

Test Method:
SGS In-House Test Method RSTS-CHEM-801-3 – Analysis by ICP-OES/ICP-MS & GC-MS & UV-VIS Spectrophotometer & HPLC-DAD & HPLC-MS & Colorimetric Method

Test Result (Per individual component):

No.	Substance Name	CAS No./ EC No.	Group No	Concentration (%)
				13.31
6	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7/ 204-211-0	17	6.68%
–	Other SVHC	-		<0.1%

No.	Substance Name	CAS No./ EC No.	Group No	Concentration (%)
				Other Groups
-	All SVHC	-	-	<0.1%

Notes:

1. RL = Reporting Limit. All RL are based on homogenous material = 0.1%
   ND = Not detected (lower than RL), ND is denoted on the SVHC substance.
   NA^ = The submitted sample was found to contain significant amount of specific element(s) of SVHC. Upon further test verification and also information provided from client, the possibility that the element(s) content originate from SVHC is very unlikely, even though their presence cannot be excluded entirely. It may be assumed that the detected element(s) have a non-SVHC source.

2. * The test result is based on the calculation of selected element(s) / marker(s) and to the worst-case scenario.

   The client is advised to review the chemical formulation to ascertain above metal substances present in the article.

3. The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.

4. Test result that shown as per test group is the actual concentration from laboratory testing. The test result is calculated by minimum sample weight. Confirmation testing is recommended as to understand the exact content of SVHC in each individual component.

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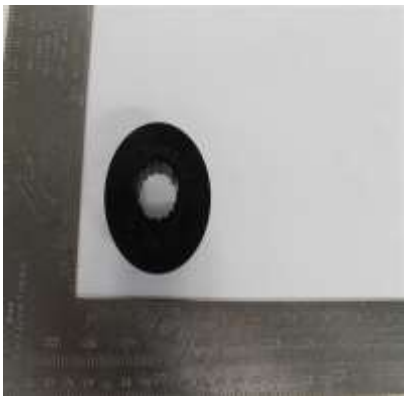

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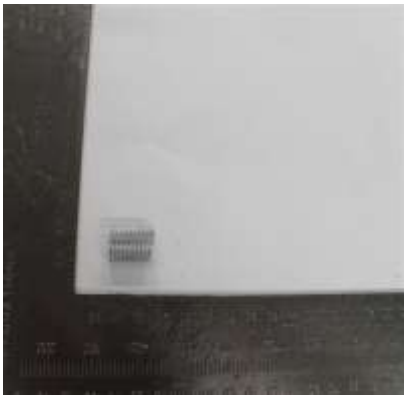

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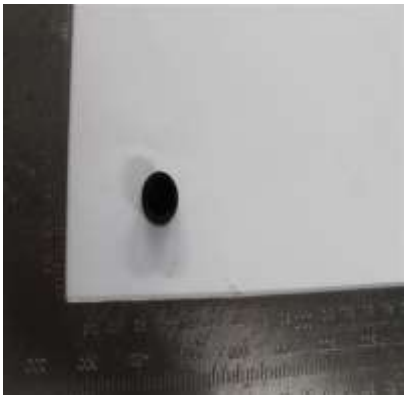

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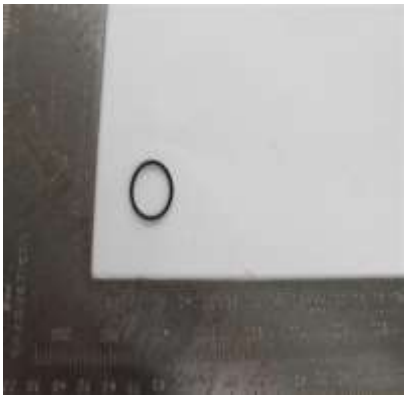

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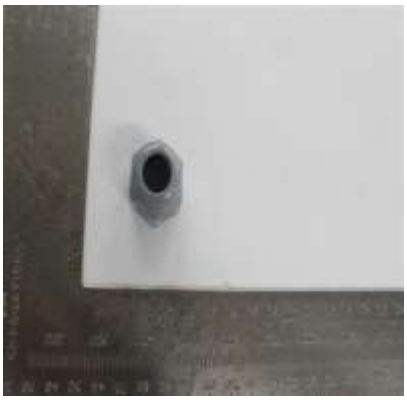

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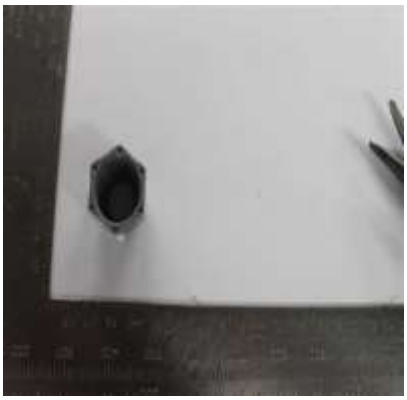

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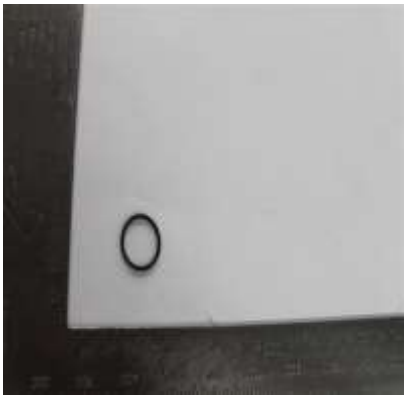

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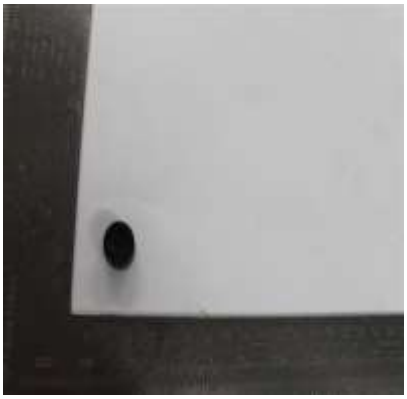

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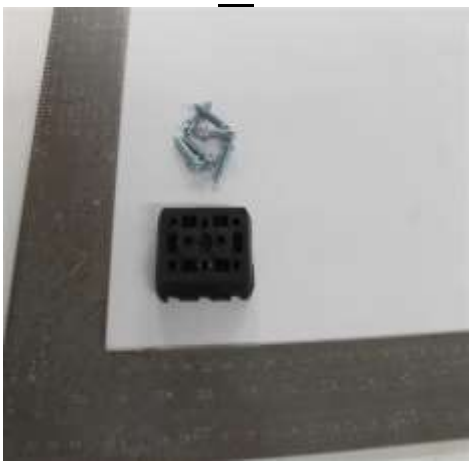

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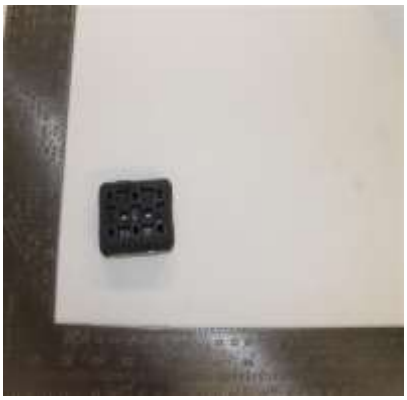

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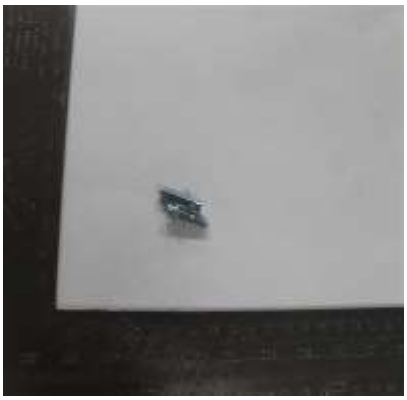

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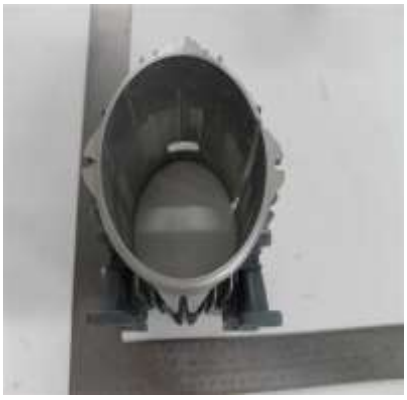

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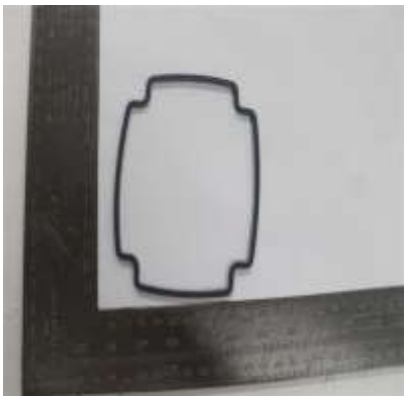

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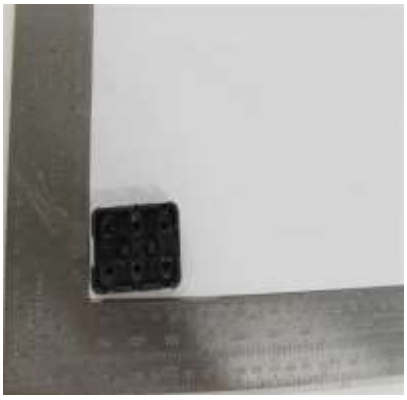

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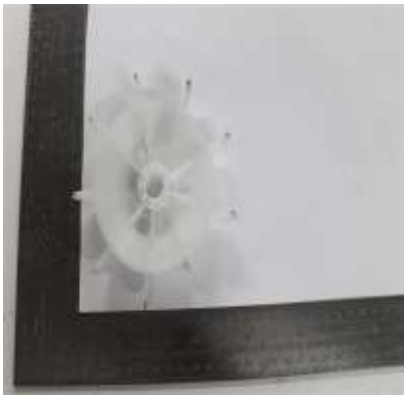

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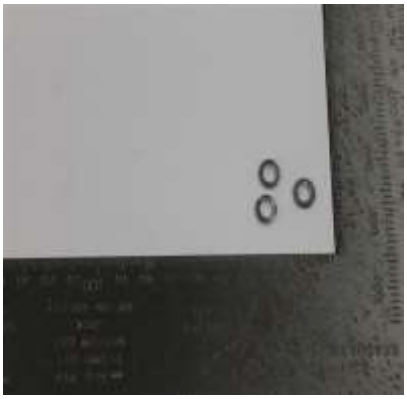
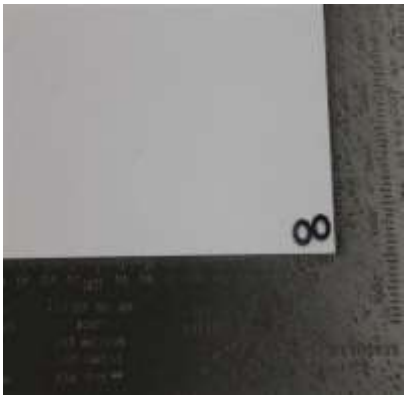


13.46



13.47

13.48

13.49

13.50

13.51

13.52

13.53

14

14.1

15

15.1

16

16.1

16.2

16.3

16.4

16.5

16.6

16.7

16.8

16.9

16.10

* * * End of Test Report * * *

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