



Test Report

Report No. : UNIB23051820HR-01

Page 1 / 23

Applicant : LINEMART GMBH

Address : Goerzallee 299, 14167 Berlin

Name of sample : EBIKE

Receiving Date : May 22, 2023

Test Date : May 22, 2023-May 26, 2023

Test Address : No.47-3, Industrial Road, Zhushan, Dalong Street, Panyu District, Guangzhou, Guangdong, China

Test Method(s) : Please refer to next page(s)

As requested by client:
Test Requested: : Two hundred and thirty-three (233) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before 17 Jan 2023 regarding Regulation (EC) No. 1907/2006 concerning the REACH.

Test Result: : Please refer to next page(s)

Conclusion : Pass

Signed for and on behalf of
Shenzhen United Testing Technology Co.,Ltd

Liu Ze
Approved Signatory

Jun. 02, 2023

Issue Date



Test Report

Report No. : UNIB23051820HR-01

Page 2 / 23

1、Conclusion

The sample(s) was/were detected and according to the results, the conclusion are as follows:

Test Item(s)		Testing Standard(s)	Decision Basis	Conclusion
Article	Name			
4	Substance of very high concern (SVHC233)	UNI-WHG01 ^[1]	REACH Regulation-EC/1907/2006	Pass

Remarks: 1.This method is in house method.

2、Sample information(s)

The following information of sample(s) was/were submitted and identified by applicant:

Product Model : HDA000007, HDA000008, HDA000009

Buyer : VANPOWERS

3、Articles Distinguish

The sample was split into the following articles according to the requirements of “*Guidance on requirements for substances in articles*” (Version 4.0).

No	Description
A001	EBIKE

Note: This table is used to identify each test part of the Sample. Different descriptions in the "Description" column are only used to distinguish each test part.



Test Report

Report No. : UNIB23051820HR-01

Page 3 / 23

4、Test Results

Test Method: In house method. According to the requirements of the REACH Regulation, all items of substance of very high concern in the article do not exceed 0.1%. The reporting limit (RL) of the test is 0.05%.

No.	Test Item(s)	CAS No.	Result(%)
			A001
1	Triethyl arsenate	15606-95-8	ND
2	Sodium dichromate	10588-01-9 7789-12-0	ND
3	Lead hydrogen arsenate	7784-40-9	ND
4	Dibutyl phthalate (DBP)	84-74-2	ND
5	Diarsenic trioxide	1327-53-3	ND
6	Hexabromocyclododecane (HBCDD)	3194-55-6 134237-52-8 25637-99-4 134237-50-6 134237-51-7	ND
7	Diarsenic pentaoxide	1303-28-2	ND
8	Cobalt dichloride	7646-79-9	ND
9	Bis(tributyltin) oxide (TBTO)	56-35-9	ND
10	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	ND
11	Benzyl butyl phthalate (BBP)	85-68-7	ND
12	Anthracene	120-12-7	ND
13	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	ND
14	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	81-15-2	ND
15	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	ND
16	Tris(2-chloroethyl) phosphate	115-96-8	ND
17	Pitch, coal tar, high-temp.	65996-93-2	ND
18	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	ND
19	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	ND
20	Lead chromate	7758-97-6	ND
21	Diisobutyl phthalate(DIBP)	84-69-5	ND
22	Anthracene oil, anthracene-low	90640-82-7	ND

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Test Report

Report No. : UNIB23051820HR-01

Page 4 / 23

No.	Test Item(s)	CAS No.	Result(%)
			A001
23	Anthracene oil, anthracene paste, distn. lights	91995-17-4	ND
24	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	ND
25	Anthracene oil, anthracene paste	90640-81-6	ND
26	Anthracene oil	90640-80-5	ND
27	2,4-dinitrotoluene	121-14-2	ND
28	Acrylamide	79-06-1	ND
29	Trichloroethylene	79-01-6	ND
30	Tetraboron disodium heptaoxide, hydrate	12267-73-1	ND
31	Sodium chromate	7775-11-3	ND
32	Potassium dichromate	7778-50-9	ND
33	Potassium chromate	7789-00-6	ND
34	Disodium tetraborate, anhydrous	12179-04-3 1303-96-4 1330-43-4	ND
35	Boric acid	11113-50-1	ND
36	Ammonium dichromate	7789-09-5	ND
37	Cobalt(II) sulphate	10124-43-3	ND
38	Cobalt(II) dinitrate	10141-05-6	ND
39	Cobalt(II) diacetate	71-48-7	ND
40	Cobalt(II) carbonate	513-79-1	ND
41	Chromium trioxide	1333-82-0	ND
42	Acids generated from chromium trioxide and their oligomers Dichromic acid	7738-94-5 13530-68-2	ND
43	2-methoxyethanol	109-86-4	ND
44	2-ethoxyethanol	110-80-5	ND
45	Strontium chromate	7789-06-2	ND
46	Hydrazine	302-01-2 7803-57-8	ND
47	2-ethoxyethyl acetate	111-15-9	ND
48	1-Methyl-2-pyrrolidone (NMP)	872-50-4	ND

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Report No. : UNIB23051820HR-01

Page 5 / 23

No.	Test Item(s)	CAS No.	Result(%)
			A001
49	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	ND
50	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	ND
51	1,2,3-trichloropropane	96-18-4	ND
52	Zirconia Aluminosilicate Refractory Ceramic Fibres	--	ND
53	Trilead diarsenate	3687-31-8	ND
54	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	ND
55	Phenolphthalein	77-09-8	ND
56	Pentazinc chromate octahydroxide	49663-84-5	ND
57	N,N-dimethylacetamide	127-19-5	ND
58	Lead styphnate	15245-44-0	ND
59	Lead dipicrate	6477-64-1	ND
60	Lead diazide, Lead azide	13424-46-9	ND
61	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	ND
62	Dichromium tris(chromate)	24613-89-6	ND
63	Calcium arsenate	7778-44-1	ND
64	Bis(2-methoxyethyl) phthalate	117-82-8	ND
65	Bis(2-methoxyethyl) ether	111-96-6	ND
66	Arsenic acid	7778-39-4	ND
67	Aluminosilicate Refractory Ceramic Fibres	--	ND
68	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	ND
69	2-Methoxyaniline, o-Anisidine	90-04-0	ND
70	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	ND
71	1,2-dichloroethane	107-06-2	ND
72	α,α -Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	ND
73	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	ND
74	Lead(II) bis(methanesulfonate)	17570-76-2	ND

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Test Report

Report No. : UNIB23051820HR-01

Page 6 / 23

No.	Test Item(s)	CAS No.	Result(%)
			A001
75	Formamide	75-12-7	ND
76	Diboron trioxide	1303-86-2	ND
77	[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	ND
78	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	ND
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	ND
80	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	ND
81	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	ND
82	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	ND
83	1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME)	110-71-4	ND
84	1,2-bis(2-methoxyethoxy)ethane (TEGDME,triglyme)	112-49-2	ND
85	Trilead dioxide phosphonate	12141-20-7	ND
86	Trilead bis(carbonate) dihydroxide	1319-46-6	ND
87	Tricosafluorododecanoic acid	307-55-1	ND
88	Tetralead trioxide sulphate	12202-17-4	ND
89	Tetraethyllead	78-00-2	ND
90	Sulfurous acid, lead salt, dibasic	62229-08-7	ND
91	Silicic acid, lead salt	11120-22-2	ND
92	Silicic acid (H ₂ SiO ₅), barium salt (1:1), lead-doped	68784-75-8	ND
93	Pyrochlore, antimony lead yellow	8012-00-8	ND
94	Pentalead tetraoxide sulphate	12065-90-6	ND
95	Pentacosafuorotridecanoic acid	72629-94-8	ND
96	Orange lead (lead tetroxide)	1314-41-6	ND
97	o-toluidine	95-53-4	ND
98	o-aminoazotoluene	97-56-3	ND

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Test Report

Report No. : UNIB23051820HR-01

Page 7 / 23

No.	Test Item(s)	CAS No.	Result(%)
			A001
99	N-pentyl-isopentylphthalate	776297-69-9	ND
100	N-methylacetamide	79-16-3	ND
101	N,N-dimethylformamide	68-12-2	ND
102	Methyloxirane (Propylene oxide)	75-56-9	ND
103	Methoxyacetic acid	625-45-6	ND
104	Lead titanium zirconium oxide	12626-81-2	ND
105	Lead titanium trioxide	12060-00-3	ND
106	Lead oxide sulfate	12036-76-9	ND
107	Lead monoxide (lead oxide)	1317-36-8	ND
108	Lead dinitrate	10099-74-8	ND
109	Lead cyanamidate	20837-86-9	ND
110	Lead bis(tetrafluoroborate)	13814-96-5	ND
111	Hexahydromethylphthalic anhydride	25550-51-0 19438-60-9 57110-29-9 48122-14-1	ND
112	Heptacosafuorotetradecanoic acid	376-06-7	ND
113	Henicosafuoroundecanoic acid	2058-94-8	ND
114	Furan	110-00-9	ND
115	Fatty acids, C16-18, lead salts	91031-62-8	ND
116	Dioxobis(stearato)trilead	12578-12-0	ND
117	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	ND
118	Dimethyl sulphate	77-78-1	ND
119	Diisopentyl phthalate	605-50-5	ND
120	Diethyl sulphate	64-67-5	ND
121	Dibutyltin dichloride (DBTC)	683-18-1	ND
122	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	123-77-3	ND
123	Cyclohexane-1,2-dicarboxylic anhydride	13149-00-3 85-42-7 14166-21-3	ND

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Test Report

Report No. : UNIB23051820HR-01

Page 8 / 23

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			A001
124	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	1163-19-5	ND
125	Biphenyl-4-ylamine	92-67-1	ND
126	Acetic acid, lead salt, basic	51404-69-4	ND
127	[Phthalato(2-)]dioxotrilead	69011-06-9	ND
128	6-methoxy-m-toluidine (p-cresidine)	120-71-8	ND
129	4-Nonylphenol, branched and linear	--	ND
130	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	ND
131	4-aminoazobenzene	60-09-3	ND
132	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	--	ND
133	4,4'-oxydianiline and its salts	101-80-4	ND
134	4,4'-methylenedi-o-toluidine	838-88-0	ND
135	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	ND
136	1-bromopropane (n-propyl bromide)	106-94-5	ND
137	1,2-diethoxyethane	629-14-1	ND
138	1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	84777-06-0	ND
139	Pentadecafluorooctanoic acid (PFOA)	335-67-1	ND
140	Dipentyl phthalate (DPP)	131-18-0	ND
141	Cadmium oxide	1306-19-0	ND
142	Cadmium	7440-43-9	ND
143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	ND
144	4-Nonylphenol, branched and linear, ethoxylated	--	ND
145	Trixylyl phosphate	25155-23-1	ND
146	Lead di(acetate)	301-04-2	ND
147	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	ND
148	Disodium 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	ND

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Test Report

Report No. : UNIB23051820HR-01

Page 9 / 23

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149	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	ND
150	Dihexyl phthalate	84-75-3	ND
151	Cadmium sulphide	1306-23-6	ND
152	Sodium peroxometaborate	7632-04-4	ND
153	Sodium perborate, perboric acid, sodium salt	15120-21-5 11138-47-9	ND
154	Cadmium chloride	10108-64-2	ND
155	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	ND
156	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)	--	ND
157	Cadmium sulphate	10124-36-4 31119-53-6	ND
158	Cadmium fluoride	7790-79-6	ND
159	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	ND
160	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	ND
161	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	ND
162	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: 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane	--	ND
163	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters	68648-93-1 68515-51-5	ND
164	Perfluorononan-1-oic-acid and its sodium and ammonium salts	4149-60-4 375-95-1 21049-39-8	ND
165	Nitrobenzene	98-95-3	ND
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	ND
167	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	ND
168	1,3-propanesultone	1120-71-4	ND

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<http://www.uni-lab.hk>



Test Report

Report No. : UNIB23051820HR-01

Page 10 / 23

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			A001
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	ND
170	p-(1,1-dimethylpropyl)phenol	80-46-6	ND
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2 3830-45-3 3108-42-7	ND
172	4-heptylphenol, branched and linear	--	ND
173	4,4'-isopropylidenediphenol	80-05-7	ND
174	Perfluorohexane-1-sulphonic acid and its salts	--	ND
175	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	--	ND
176	Chrysene	218-01-9 1719-03-5	ND
177	Cadmium nitrate	10022-68-1 10325-94-7	ND
178	Cadmium hydroxide	21041-95-2	ND
179	Cadmium carbonate	513-78-0	ND
180	Benz[a]anthracene	56-55-3 1718-53-2	ND
181	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octa deca-7,15-diene	--	ND
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride	552-30-7	ND
183	Dicyclohexyl phthalate (DCHP)	84-61-7	ND
184	Benzo[g,hi,]perylene	191-24-2	ND
185	Decamethylcyclopentasiloxane (D5)	541-02-6	ND
186	Disodium octaborate	12008-41-2	ND
187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	ND
188	Ethylenediamine(EDA)	107-15-3	ND
189	Lead	7439-92-1	ND
190	Octamethylcyclotetrasiloxane (D4)	556-67-2	ND
191	Terphenyl, hydrogenated	61788-32-7	ND
192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo [2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	ND
193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	ND

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Test Report

Report No. : UNIB23051820HR-01

Page 11 / 23

No.	Test Item(s)	CAS No.	Result(%)
			A001
194	Benzo[k]fluoranthene	207-08-9	ND
195	Fluoranthene	206-44-0, 93951-69-0	ND
196	Phenanthrene	85-01-8	ND
197	Pyrene	129-00-0, 1718-52-1	ND
198	4-tert-butylphenol	98-54-4	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)	--	ND
200	2-methoxyethyl acetate	110-49-6	ND
201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	--	ND
202	Perfluorobutane sulfonic acid (PFBS) and its salts	--	ND
203	Diisohexyl phthalate	71850-09-4	ND
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	ND
205	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	ND
206	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	ND
207	Butyl 4-hydroxybenzoate	94-26-8	ND
208	2-methylimidazole	693-98-1	ND
209	1-vinylimidazole	1072-63-5	ND
210	bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	ND
211	Diocetyl tin 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	--	ND
212	1,4-dioxane	123-91-1	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	ND
214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	--	ND

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Test Report

Report No. : UNIB23051820HR-01

Page 12 / 23

No.	Test Item(s)	CAS No.	Result(%)
			A001
215	4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)	77-40-7	ND
216	Glutaral	111-30-8	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]	--	ND
218	Orthoboric acid, sodium salt	13840-56-7	ND
219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	--	ND
220	tris(2-methoxyethoxy)vinylsilane	1067-53-4	ND
221	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	ND
222	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	ND
223	(±)-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)	--	ND
224	N-(hydroxymethyl)acrylamide	924-42-5	ND
225	1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]	37853-59-1	ND
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	ND
227	4,4'-sulphonyldiphenol	80-09-1	ND
228	Barium diboron tetraoxide	13701-59-2	ND
229	bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	--	ND
230	Isobutyl 4-hydroxybenzoate	4247-02-3	ND
231	Melamine	108-78-1	ND
232	Perfluoroheptanoic acid and its salts	--	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	--	ND
Verdict			Pass

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Test Report

Report No. : UNIB23051820HR-01

Page 13 / 23

Remarks:

- 1) 1mg/kg = 0.0001%
- 2) ND=The test result is below the reporting limit (RL).
- 3) "--"=No Testing or blank or not applicable.
- 4) The laboratory's test method is an internal laboratory method that integrates many European and American test standards. Include the following (but not limited to):EPA 3052,EPA 3050,ISO 11885,EPA 3054,EPA 3550,EPA 8270.
- 5) Test instruments used in the test include: ICP-OES,XRF,GC-MS,HPLC,UV-VIS,IC.
- 6) Definition of classification is listed on Appendix A of this report in accordance with 67/548/EEC and Regulation (EC) No 1907/2006.
- 7) Test results are calculated as per selected ion(s) including cadmium, cobalt, sodium, lead, arsenic, chloride, calcium, strontium, chromate, aluminum, zirconium, boron, nitrogen, and arsenate. Concentration as per compound is calculated from the test result as per selected ion. Further confirmation and quantization techniques including Ion Chromatography, UV-Vis spectrometry and Thin Layer Chromatography would be adopted whenever a positive result is found over the reporting limit.
- 8) For more information on SVHC, visit <https://echa.europa.eu/regulations/reach/understanding-reach>.
- 9) For a list of SVHCs please visit <https://echa.europa.eu/candidate-list-table>.

5、Sample Photo(s)



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Sample pictures are only used to inform the applicant that the samples received and tested in our laboratory are shown in the picture, and do not prove the appearance and quality of the applicant's products.

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

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