Test Report

Report No.: NB2023065120 **Date: June 15, 2023**

Applicant: GUANGZHOU JIBEI INDUSTRIAL CO.,LTD

Address: NO. 8, FORMER VILLAGE COMMITTEE, RULIN VILLAGE, HUASHAN TOWN, HUADU DISTRICT, GUANGZHOU, CHINA 510880

The following merchandise were submitted and identified by the clients as:

Sample Name: Memory Foam

Supplier: GUANGZHOU JIBEI INDUSTRIAL CO.,LTD

The following information were confirmed by the laboratory:

Testing Period: From June 12, 2023 to June 15, 2023

Test Results: Please refer to next page(s)

Summary of test results

Test Requested		Conclusion
1	Candidate List of Substances of Very High Concern for authorization published by European Chemicals Agency (ECHA) Regarding Regulation (EC) No. 1907/2006 concerning REACH	Less than 0.1%

Signed for and on behalf of Guangdong NewBest Testing Service Co., Ltd.

Approved by: Manager

Test results:

Tested part(s) description:

Test Item(s)	Description	Location
I001	White memory foam	--

1. Candidate List of Substances of Very High Concern for authorization published by European Chemicals Agency (ECHA) Regarding Regulation (EC) No. 1907/2006 concerning REACH

Test Method: Analysis is based on GC, GC-MS, HPLC, IC, ICP and UV, with various detection techniques.

Substance Name	Result (%)
	I001
235 items Substances of very high concern(SVHCs)	N.D.(each)

Note: N.D. = Not detected(<MDL) MDL= Detection Limit
mg/kg = milligram per kilogram = ppm = part per million 10000 mg/kg = 1 %
The list of analytes is summarized in table of Appendix.

Disclaimer Measurement Uncertainty:
Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither by assessed as PASS nor as FAIL.

APPENDIX
The Candidate List of Substances of Very High Concern

No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
1	Triethyl arsenate*	15606-95-8	427-700-2	0.01	Carcinogenic
2	Anthracene	120-12-7	204-371-1	0.01	PBT
3	4,4'-Diaminodiphenyl methane (MDA)	101-77-9	202-974-4	0.01	Carcinogenic
4	Dibutyl phthalate (DBP)	84-74-2	201-557-4	0.01	Toxic for reproduction
5	Cobalt dichloride*	7646-79-9	231-589-4	0.01	Carcinogenic
6	Diarsenic pentaoxide*	1303-28-2	215-116-9	0.01	Carcinogenic
7	Diarsenic trioxide*	1327-53-3	215-481-4	0.01	Carcinogenic
8	Sodium dichromate*	7789-12-0(1), 10588-01-9(2)	234-190-3	0.01	Carcinogenic; Mutagenic; Toxic for reproduction
9	5-tert-butyl-2,4,6-trinitro- m-xylene (musk xylene)	81-15-2	201-329-4	0.01	vPvB
10	Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	204-211-0	0.01	Toxic for reproduction
11	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: - HBCDD - HBCDD - HBCDD	3194-55-6(3), 25637-99-4(4) 134237-50-6 134237-51-7 134237-52-8	247-148-4, 221-695-9	0.01	PBT
12	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCP)	85535-84-8	287-476-5	0.01	PBT, vPvB
13	Bis(tributyltin)oxide (TBTO)**	56-35-9	200-268-0	0.01	PBT
14	Lead hydrogen arsenate*	7784-40-9	232-064-2	0.01	Carcinogenic; Toxic for reproduction
15	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	0.01	Toxic for reproduction
16	2,4-Dinitrotoluene	121-14-2	204-450-0	0.01	Carcinogenic
17	Anthracene oil	90640-80-5	292-602-7	0.01	Carcinogenic, PBT, vPvB
18	Anthracene oil, anthracene paste, distn. Lights	91995-17-4	295-278-5	0.01	Carcinogenic; Mutagenic, PBT, vPvB
19	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	0.01	Carcinogenic; Mutagenic, PBT, vPvB
20	Anthracene oil, anthracene-low	90640-82-7	292-604-8	0.01	Carcinogenic; Mutagenic, PBT, vPvB
21	Anthracene oil, anthracene paste	90640-81-6	292-603-2	0.01	Carcinogenic; Mutagenic, PBT, vPvB
22	Diisobutyl phthalate	84-69-5	201-553-2	0.01	Toxic for reproduction

No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
23	Aluminosilicate, Refractory Ceramic Fibres*[a]	Index no. 650-017-00-8		0.01	Carcinogenic
24	Zirconia Aluminosilicate, Refractory Ceramic Fibres*[b]	Index no. 650-017-00-8		0.01	Carcinogenic
25	Lead chromate*	7758-97-6	231-846-0	0.01	Carcinogenic; Toxic for reproduction
26	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)*	12656-85-8	235-759-9	0.01	Carcinogenic; Toxic for reproduction
27	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	215-693-7	0.01	Carcinogenic; Toxic for reproduction
28	Tris(2-chloroethyl) phosphate	115-96-8	204-118-5	0.01	Toxic for reproduction
29	Coal tar pitch, high temperature	65996-93-2	266-028-2	0.01	Carcinogenic, PBT, vPvB
30	Acrylamide	79-06-1	201-173-7	0.01	Carcinogenic; Mutagenic
31	Trichloroethylene	79-01-6	201-167-4	0.01	Carcinogenic
32	Boric acid*	10043-35-3, 11113-50-1	233-139-2 / 234-343-4	0.01	Toxic for reproduction
33	Disodium tetraborate, anhydrous*	1330-43-4[(5)], 12179-04-3[(6)], 1303-96-4[(7)]	215-540-4	0.01	Toxic for reproduction
34	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	235-541-3	0.01	Toxic for reproduction
35	Sodium chromate*	7775-11-3	231-889-5	0.01	Carcinogenic; Mutagenic; Toxic for reproduction
36	Potassium chromate*	7789-00-6	232-140-5	0.01	Carcinogenic; Mutagenic
37	Ammonium dichromate*	7789-09-5	232-143-1	0.01	Carcinogenic; Mutagenic; Toxic for reproduction
38	Potassium dichromate*	7778-50-9	231-906-6	0.01	Carcinogenic; Mutagenic; Toxic for reproduction
39	Cobalt(II) sulphate*	10124-43-3	233-334-2	0.01	Carcinogenic; Toxic for reproduction
40	Cobalt(II) dinitrate*	10141-05-6	233-402-1	0.01	Carcinogenic; Toxic for reproduction
41	Cobalt(II) carbonate*	513-79-1	208-169-4	0.01	Carcinogenic; Toxic for reproduction
42	Cobalt(II) diacetate*	71-48-7	200-755-8	0.01	Carcinogenic; Toxic for reproduction
43	2-Methoxyethanol	109-86-4	203-713-7	0.01	Toxic for reproduction
44	2-Ethoxyethanol	110-80-5	203-804-1	0.01	Toxic for reproduction
45	Chromium trioxide*	1333-82-0	215-607-8	0.01	Carcinogenic; Mutagenic

No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
46	Acid 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	Carcinogenic
47	2-Ethoxyethyl acetate	111-15-9	203-839-2	0.01	Toxic for reproduction
48	Strontium Chromate*	7789-06-2	232-142-6	0.01	Carcinogenic
49	1,2-benzenedicarboxylic acid, di-C7-11 branched alkyl ester and linear alkyl ester	68515-42-4	271-084-6	0.01	Toxic for reproduction
50	Hydrazine	302-01-2 7803-57-8	206-114-9	0.01	Carcinogenic
51	1-Methyl-2-pyrrolidone	872-50-4	212-828-1	0.01	Toxic for reproduction
52	1,2,3-trichloropropane	96-18-4	202-486-1	0.01	Toxic for reproduction
53	1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl ester, C7-rich (DIHP)	71888-89-6	276-158-1	0.01	Toxic for reproduction
54	Dichromium tris(chromate)*	24613-89-6	246-356-2	0.01	Carcinogenic
55	Potassium hydroxyoctaoxodizincated i-chromate*	11103-86-9	234-329-8	0.01	Carcinogenic
56	Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	0.01	Carcinogenic
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	0.01	Carcinogenic
58	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	0.01	Toxic for reproduction
59	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	0.01	Carcinogenic
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	205-426-2	0.01	Equivalent level of concern
61	1,2-Dichloroethane	107-06-2	203-458-1	0.01	Carcinogenic
62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	0.01	Toxic for reproduction
63	Arsenic acid*	7778-39-4	231-901-9	0.01	Carcinogenic
64	Calcium arsenate*	7778-44-1	231-904-5	0.01	Carcinogenic
65	Trilead diarsenate*	3687-31-8	222-979-5	0.01	Carcinogenic; Toxic for reproduction
66	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	0.01	Toxic for reproduction
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	0.01	Carcinogenic

No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
68	Phenolphthalein	77-09-8	201-004-7	0.01	Carcinogenic
69	Lead azide, Lead diazide*	13424-46-9	236-542-1	0.01	Toxic for reproduction
70	Lead styphnate*	15245-44-0	239-290-0	0.01	Toxic for reproduction
71	Lead dipicrate*	6477-64-1	229-335-2	0.01	Toxic for reproduction
72	1,2-bis(2- methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3	0.01	Toxic for reproduction
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	0.01	Toxic for reproduction
74	Diboron trioxide*	1303-86-2	215-125-8	0.01	Toxic for reproduction
75	Formamide	75-12-7	200-842-0	0.01	Toxic for reproduction
76	Lead(II) bis(methanesulfonate)*	17570-76-2	401-750-5	0.01	Toxic for reproduction
77	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione) §	2451-62-9	219-514-3	0.01	Mutagenic
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	Mutagenic
79	4,4'-bis(dimethylamino)benzo phenome (Michler's ketone)	90-94-8	202-027-5	0.01	Carcinogenic
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	0.01	Carcinogenic
81	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohex a-2,5-dien-1-ylidene]dimethylammoniu m chloride (C.I. Basic Violet 3)	548-62-9	208-953-6	0.01	Carcinogenic
82	[4-[[4-anilino-1- naphthyl][4-(dimethylamino) phenyl]methylene]cycloh exa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	219-943-6	0.01	Carcinogenic
83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalen e-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8	0.01	Carcinogenic
84	4,4'-bis(dimethylamino)-4"-(methylamino)trityl alcohol	561-41-1	209-218-2	0.01	Carcinogenic

No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	214-604-9	0.01	Persistent, bioaccumulative and toxic; very persistent and very bioaccumulative
86	N,N-dimethylformamide; dimethyl formamide	68-12-2	200-679-5	0.01	Toxic for reproduction
87	Methoxy acetic acid	625-45-6	210-894-6	0.01	Toxic for reproduction ; equivalent level of concern
88	Dibutyltin dichloride (DBT)*	683-18-1	211-670-0	0.01	Toxic for reproduction
89	1,2-Diethoxyethane	629-14-1	211-076-1	0.01	Toxic for reproduction
90	Hexahydro-2-benzofuran-1,3-dione (HHPA), 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	0.01	Equivalent level of concern
91	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	0.01	Equivalent level of concern
92	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	-	-	0.01	Equivalent level of concern
93	Heptacosafluorotetradecan oic acid	376-06-7	206-803-4	0.01	Very persistent and very bioaccumulative

No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
94	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear +	84777-06-0	284-032-2	0.01	Toxic for reproduction
95	Henicosafluoroundecanoic acid	2058-94-8	218-165-4	0.01	Very persistent and very bioaccumulative
96	N-pentyl-isopentylphtalate (iPnPP) +	776297-69-9	-	0.01	Toxic for reproduction
97	Pentacosafluorotridecanoic acid	72629-94-8	276-745-2	0.01	Very persistent and very bioaccumulative
98	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	-	-	0.01	Equivalent level of concern
99	Tricosafluorododecanoic acid	307-55-1	206-203-2	0.01	Very persistent and very bioaccumulative
100	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	0.01	Toxic for reproduction
101	Lead tetroxide (orange lead)*	1314-41-6	215-235-6	0.01	Toxic for reproduction
102	Diethyl sulphate	64-67-5	200-589-6	0.01	Carcinogenic; Mutagenic
103	Dinoseb	88-85-7	201-861-7	0.01	Toxic for reproduction
104	Lead Titanium Zirconium Oxide*	12626-81-2	235-727-4	0.01	Toxic for reproduction
105	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	0.01	Toxic for reproduction
106	Furan	110-00-9	203-727-3	0.01	Carcinogenic
107	N-methylacetamide	79-16-3	201-182-6	0.01	Toxic for reproduction
108	o-Toluidine; 2-Aminotoluene	95-53-4	202-429-0	0.01	Carcinogenic
109	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3- oxazolidine	143860-04-2	421-150-7	0.01	Toxic for reproduction
110	4,4'-oxydianiline and its salts	101-80-4	202-977-0	0.01	Carcinogenic; Mutagenic
111	[Phthalato(2-)]dioxotrilead (Dibasic lead phthalate)*	69011-06-9	273-688-5	0.01	Toxic for reproduction
112	Lead titanium trioxide*	12060-00-3	235-038-9	0.01	Toxic for reproduction
113	Lead oxide sulphate*	12036-76-9	234-853-7	0.01	Toxic for reproduction
114	Lead dinitrate*	10099-74-8	233-245-9	0.01	Toxic for reproduction
115	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	200-453-6	0.01	Carcinogenic
116	Lead cyanamidate*	20837-86-9	244-073-9	0.01	Toxic for reproduction
117	Tetralead trioxide sulphate*	12202-17-4	235-380-9	0.01	Toxic for reproduction
118	4-methyl-m- phenylenediamine (2,4-toluene-diamine)	95-80-7	202-453-1	0.01	Carcinogenic
119	Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	0.01	Toxic for reproduction

No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
120	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	215-290-6	0.01	Toxic for reproduction
121	Dimethyl sulphate	77-78-1	201-058-1	0.01	Carcinogenic
122	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	0.01	Toxic for reproduction
123	Silicic acid, barium salt, lead-doped*	68784-75-8	272-271-5	0.01	Toxic for reproduction
124	Biphenyl-4-ylamine	92-67-1	202-177-1	0.01	Carcinogenic
125	Lead oxide (lead monoxide)*	1317-36-8	215-267-0	0.01	Toxic for reproduction
126	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	0.01	Toxic for reproduction
127	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	200-879-2	0.01	Carcinogenic; Mutagenic
128	Silicic acid, lead salt*	11120-22-2	234-363-3	0.01	Toxic for reproduction
129	Trilead dioxide phosphonate*	12141-20-7	235-252-2	0.01	Toxic for reproduction
130	o-aminoazotoluene	97-56-3	202-591-2	0.01	Carcinogenic
131	1-bromopropane	106-94-5	203-445-0	0.01	Toxic for reproduction
132	6-methoxy-m-toluidine (p- cresidine)	120-71-8	204-419-1	0.01	Carcinogenic
133	4,4'-methylenedi-o- toluidine	838-88-0	212-658-8	0.01	Carcinogenic
134	Tetraethyllead*	78-00-2	201-075-4	0.01	Toxic for reproduction
135	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	0.01	Toxic for reproduction
136	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	0.01	Toxic for reproduction
137	Diisopentylphthalate +	605-50-5	210-088-4	0.01	Toxic for reproduction
138	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	0.01	Equivalent level of concern
139	Cadmium*	7440-43-9	231-152-8	0.01	Carcinogenic; Equivalent level of concern
140	Cadmium oxide*	1306-19-0	215-146-2	0.01	Carcinogenic; Equivalent level of concern
141	Dipentyl phthalate (DPP) +	131-18-0	205-017-9	0.01	Toxic for reproduction
142	4-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]	-	-	0.01	Equivalent level of concern
143	Ammonium pentadecafluorooctanoate (APFO) ≠	3825-26-1	223-320-4	0.01	Toxic for reproduction; PBT
144	Pentadecafluorooctanoic acid (PFOA) ≠	335-67-1	206-397-9	0.01	Toxic for reproduction; PBT
145	Cadmium sulphide	1306-23-6	215-147-8	0.01	Carcinogenic; Equivalent level of concern

No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
146	Dihexyl phthalate	84-75-3	201-559-5	0.01	Toxic for reproduction
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	0.01	Carcinogenic
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	217-710-3	0.01	Carcinogenic
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	202-506-9	0.01	Toxic for reproduction
150	Lead di(acetate)	301-04-2	206-104-4	0.01	Toxic for reproduction
151	Trixylyl phosphate	25155-23-1	246-677-8	0.01	Toxic for reproduction
152	Cadmium chloride*	10108-64-2	233-296-7	0.01	Carcinogenic; Mutagenic; Toxic for Reproduction; Equivalent level of concern having probable serious effects to human health
153	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear++	68515-50-4	271-093-5	0.01	Toxic for reproduction
154	Sodium peroxometaborate*	7632-04-4	231-556-4	0.01	Toxic for reproduction
155	Sodium perborate; perboric acid, sodium salt*	-	239-172-9; 234-390-0	0.01	Toxic for reproduction
156	Cadmium fluoride *	7790-79-6	232-222-0	0.01	Carcinogenic; Mutagenic; Toxic for Reproduction; Equivalent level of concern having probable serious effects to human health
157	Cadmium sulphate *	10124-36-4; 31119-53-6	233-331-6	0.01	Carcinogenic; Mutagenic; Toxic for Reproduction; Equivalent level of concern having probable serious effects to human health
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV- 320)	3846-71-7	223-346-6	0.01	PBT; vPvB
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	0.01	PBT; vPvB
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5- dithia-4-stannatetradecanoate (DOTE) *	15571-58-1	239-622-4	0.01	Toxic for Reproduction

No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
161	Reaction mass of 2- ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5- dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE) *	-	-	0.01	Toxic for Reproduction
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	0.01	Toxic for reproduction
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 isomers of [1] and [2] or any combination thereof]	-	-	0.01	Very persistent and very bioaccumulative
164	1,3-propanesultone	1120-71-4	214-317-9	0.01	Carcinogenic
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2- yl)phenol (UV-327)	3864-99-1	223-383-8	0.01	vPvB
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec- butyl)phenol (UV-350)	36437-37-3	253-037-1	0.01	vPvB
167	Nitrobenzene	98-95-3	202-716-0	0.01	Toxic for reproduction
168	Perfluorononan-1-oic acid acid and its sodium and ammonium salts	375-95-1; 21049-39-8; 4149-60-4	206-801-3	0.01	Toxic for reproduction; PBT
169	Benzo[def]chrysene (benzo[a]pyrene)	200-028-5	50-32-8	0.01	Carcinogenic; Mutagenic; Toxic for Reproduction; PBT; vPvB
170	4,4'-isopropylidenediphenol (bisphenol A; BPA)	80-05-7	201-245-8	0.01	Toxic for reproduction

No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
171	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] (4-Hpbl)	-	-	0.01	Equivalent level of concern having probable serious effects to the environment
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3830-45-3, 335-76-2, 3108-42-7	-, 206-400-3, 221-470-5	0.01	Toxic for reproduction; PBT
173	p-(1,1-dimethylpropyl)phenol (PTAP)	80-46-6	201-280-9	0.01	Equivalent level of concern having probable serious effects to the environment
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	-	0.01	vPvB
175	Chrysene	218-01-9	205-923-4	0.01	Carcinogenic; PBT; vPvB
176	Benz[a]anthracene	56-55-3	200-280-6	0.01	Carcinogenic; PBT; vPvB
177	Cadmium nitrate	10325-94-7	233-710-6	0.01	Carcinogenic; Mutagenic Specific target organ toxicity after repeated exposure
178	Cadmium hydroxide	21041-95-2	244-168-5	0.01	Carcinogenic; Mutagenic Specific target organ toxicity after repeated exposure
179	Cadmium carbonate	513-78-0	208-168-9	0.01	Carcinogenic; Mutagenic Specific target organ toxicity after repeated exposure
180	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	vPvB

No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
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	Endocrine disrupting properties
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	209-008-0	0.01	Respiratory sensitising properties
183	Dicyclohexyl Phthalate (DCHP)	84-61-7	201-545-9	0.01	Toxic for reproduction Endocrine disrupting properties
184	Benzo[ghi]perylene	191-24-2	205-883-8	0.01	PBT, vPvB
185	Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	0.01	PBT, vPvB
186	Disodium octaborate	12008-41-2	234-541-0	0.01	Toxic for reproduction
187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	0.01	PBT, vPvB
188	Ethylenediamine	107-15-3	203-468-6	0.01	Respiratory sensitising properties
189	Lead	7439-92-1	231-100-4	0.01	Toxic for reproduction
190	Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	0.01	PBT, vPvB
191	Terphenyl hydrogenated	61788-32-7	262-967-7	0.01	vPvB
192	2,2-bis(4-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	0.01	Toxic for reproduction
193	Benzo[k]fluoranthene	207-08-9	205-916-6	0.01	Carcinogenic, PBT, vPvB
194	Fluoranthene	206-44-0	205-912-4	0.01	PBT, vPvB
195	Phenanthrene	85-01-8	201-581-5	0.01	vPvB
196	Pyrene	129-00-0 1718-52-1	204-927-3	0.01	PBT, vPvB
197	1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor) (3-BC)	15087-24-8	239-139-9	0.01	Endocrine disrupting properties
198	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	0.01	Endocrine disrupting properties
199	4-tert-butylphenol	98-54-4	202-679-0	0.01	Endocrine disrupting properties
200	2-methoxyethyl acetate	110-49-6	203-772-9	0.01	Toxic for reproduction
201	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	-	-	0.01	Endocrine disrupting properties

No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
202	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	0.01	Carcinogenic,mutagenic, reprotoxic, persistent, bioaccumulative, PBT, vPvB
203	Diisohexyl phthalate	71850-09-4	276-090-2	0.01	Toxic for reproduction
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	0.01	Toxic for reproduction
205	2-benzyl-2-dimethylamino-4'-morpholinobutyr ophenone	119313-12-1	404-360-3	0.01	Toxic for reproduction
206	1-Vinylimidazole	1072-63-5	214-012-0	0.01	Toxic for reproduction
207	2-Methylimidazole	693-98-1	211-765-7	0.01	Toxic for reproduction
208	Butyl 4-hydroxybenzoate	94-26-8	202-318-7-4	0.01	Endocrine disrupting properties
209	Dibutylbis (pentane-2,4-dionato-O,O')tin	22673-19-4	245-152-0	0.01	Toxic for reproduction
210	Tetraethylene glycol dimethyl ether	143-24-8	205-594-7	0.01	Toxic for reproduction
211	Stannic dioctyl dislaurate;Stannane, dioctyl, bis (coconoyl oxyl) derivatives;And any other tin, dioctyl, bis (aliphatic acloxy) derivatives in which the aliphatic acloxy group has a major carbon atom number of 12	-	-	0.01	Toxic for reproduction
212	1,4-dioxane	123-91-1	204-661-8	0.01	Equivalent level of concern having probable serious effects on the environment;Equivalent level of concern having probable serious effects on human health
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	Carcinogenic
214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	-	0.01	Toxic for reproduction
215	4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)	77-40-7	201-025-1	0.01	Endocrine disrupting properties
216	Glutaral	111-30-8	203-856-5	0.01	Respiratory sensitising properties

No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
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	PBT,vPvB
218	Orthoboric acid, sodium salt	13840-56-7	237-560-2	0.01	Toxic for reproduction
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)	-	-	0.01	Toxic for reproduction; Endocrine disrupting properties; Endocrine disrupting properties
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)	-	-	0.01	Endocrine disrupting properties
221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	204-327-1	0.01	Toxic for reproduction
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	0.01	PBT
223	Tris(2-methoxyethoxy)vinylsilane	1067-53-4	213-934-0	0.01	Toxic for reproduction
224	N-(hydroxymethyl)acrylamide	924-42-5	213-103-2	0.01	Carcinogenic;Mutagenic
225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	37853-59-1	253-692-3	0.01	Very persistent and very bioaccumulative (Article 57(e))
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	201-236-9	0.01	Carcinogenic (Article 57(a))
227	4,4'-sulphonyldiphenol	80-09-1	201-250-5	0.01	Toxic for reproduction (Article 57(c)); Endocrine disrupting properties (Article 57(f)-environment); Endocrine disrupting properties (Article 57(f) - human health)
228	Barium diboron tetraoxide	13701-59-2	237-222-4	0.01	Toxic for reproduction (Article 57(c))
229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	-	0.01	Very persistent and very bioaccumulative (Article 57(e))

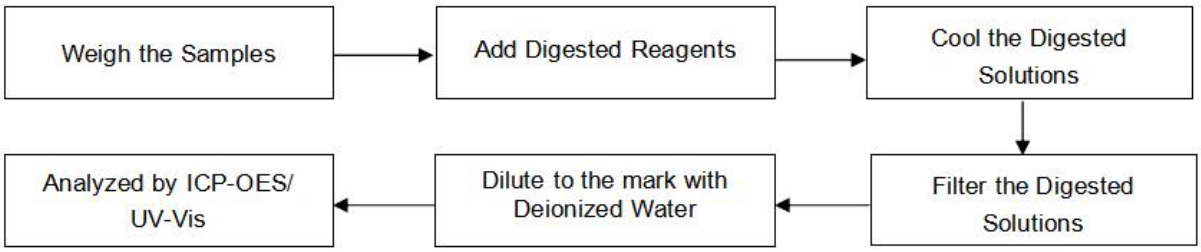
No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
230	Isobutyl 4-hydroxybenzoate	4247-02-3	224-208-8	0.01	Endocrine disrupting properties (Article 57(f) - human health)
231	Melamine	108-78-1	203-615-4	0.01	Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health); Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)
232	Perfluoroheptanoic acid and its salts	-	-	0.01	Toxic for reproduction (Article 57(c)); Persistent, bioaccumulative and toxic (Article 57(d)); Very persistent and very bioaccumulative (Article 57(e)); Equivalent level of concern having probable serious effects to human health (Article 57(f) – human health); Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)
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	-	473-390-7	0.01	Very persistent and very bioaccumulative (Article 57(e))
234	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	278-355-8	0.01	Toxic for reproduction (Article 57(c))
235	bis(4-chlorophenyl)sulphone	80-07-9	201-247-9	0.01	Very persistent and very bioaccumulative (Article 57(e))

(1) CAS no. 7789-12-0 refers to sodium dichromate dihydrate
(2) CAS no. 10588-01-9 refers to anhydrous sodium dichromate
(3) CAS no. 3194-55-6 refers to a specific HBCDD - 1,2,5,6,9,10-hexabromocyclododecane
(4) CAS no. 25637-99-4 refers to unspecific HBCDD isomer composition
(5) CAS no. 1330-43-4 refers to disodium tetraborate, anhydrous
(6) CAS no. 12179-04-3 refers to sodium tetraborate, pentahydrate
(7) CAS no. 1303-96-4 refers to sodium tetraborate, decahydrate

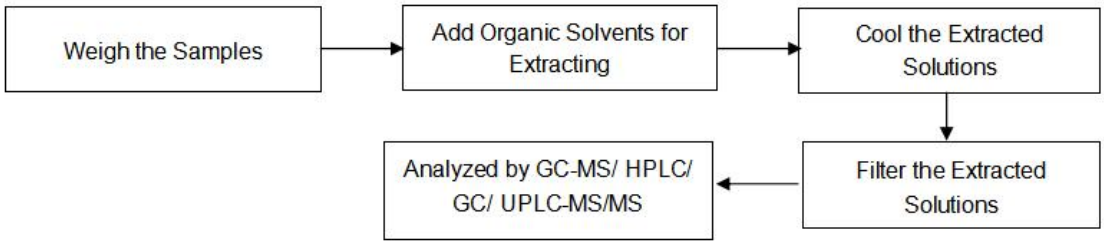
Remark:

1. PBT = Persistent, bio accumulative and toxic as defined in Regulation (EC) No 1907/2006
2. vPvB = Very persistent and very bio accumulative as defined in Regulation (EC) No 1907/2006
3. ND = Not Detected
4. *Result is based on the heavy metal or inorganic element concentration. Due to the limit of the analytical technology available, any further investigation is not feasible. The client is strongly advised to review the chemical formulation to ascertain.
5. **Result is identified by tributyltin (TBT). Due to the limit of the analytical technology available, any further investigation is not feasible. The client is strongly advised to review the chemical formulation to ascertain.
6. §TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione) and β-TGIC (1,3,5- tris [(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) are reported as a mixture.
7. aRefer to Aluminosilicate, Refractory Ceramic Fibres fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (μm) c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight.
8. bRefer to Zirconia Aluminosilicate, Refractory Ceramic Fibres fulfil the three following conditions:
   a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges
   b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (μm).
   c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight.
9. +[1,2-Benzenedicarboxylic acid, dipentylester, branched and linear] is a mixture of phthalates contains DPP, DIPP and N-pentyl-isopentylphtalate.
10. ≠PFOA and APFO are reported together. The result is based on PFOA concentration. Due to the limit of the analytical technology available, any further investigation is not feasible. The client is strongly advised to review the chemical formulation to ascertain.
11. ++[1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear] is a mixture of phthalates contains dihexyl phthalate.
12. ɒResult is based on the tin metal concentration, and further confirmation for checking DBT, DOTE& MOTE concentration.

Flowchart 1



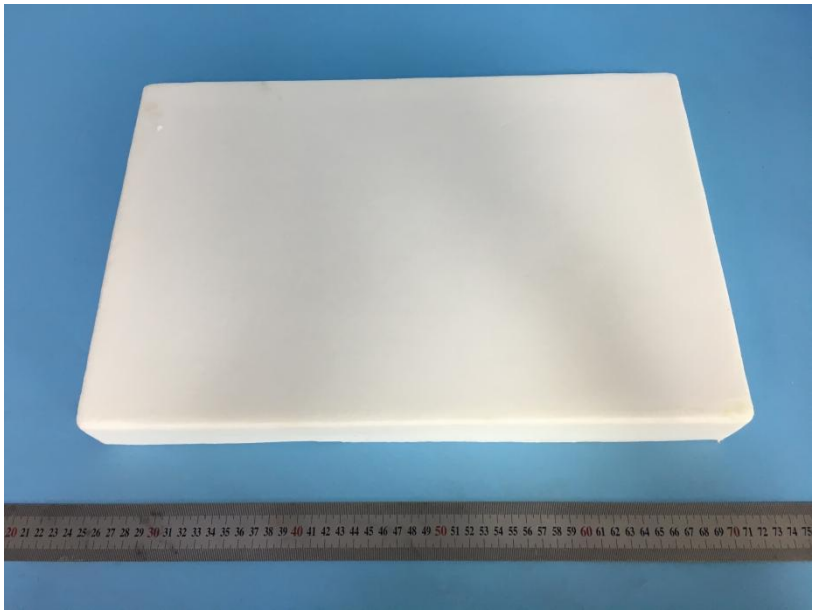
Flowchart 2



Test Report

Report No.: NB2023065120 **Date: June 15, 2023**

Samples photograph



NB2023065120

NBTS authenticate the photograph on original report only

*** End of Report ***

GUANGDONG NEWBEST TESTING SERVICE Co. Ltd.

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Fax: 0769-22777508 E-mail: newbest@nbtscn.com

Report No.: NB2023065121 **Date:** June 15, 2023 Page:1/8

Applicant: GUANGZHOU JIBEI INDUSTRIAL CO.,LTD

Address: NO. 8, FORMER VILLAGE COMMITTEE, RULIN VILLAGE, HUASHAN TOWN, HUADU DISTRICT, GUANGZHOU, CHINA 510880

The following merchandise were submitted and identified by the clients as:

Sample Name: Memory Foam

Supplier: GUANGZHOU JIBEI INDUSTRIAL CO.,LTD

The following information were confirmed by the laboratory:

Testing Period: From June 12, 2023 to June 15, 2023

Test Results: Please refer to next page(s)

Summary of test results

Test Requested		Conclusion
1	Heavy Metals, Flame Retardants and Phthalates Content - European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with its Amendments Commission Delegated Directive (EU) 2015/863	PASS

Signed for and on behalf of Guangdong NewBest Testing Service Co., Ltd.

Approved by: Manager

Test results:

Tested part(s) description:

Test Item(s)	Description	Location
I001	White memory foam	--

1. Heavy Metals, Flame Retardants and Phthalates Content - European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with its Amendments Commission Delegated Directive (EU) 2015/863

Test Method: Reference to IEC 62321-4 : 2013 + A1 : 2017,IEC62321-5 : 2013,IEC 62321-6: 2015, IEC 62321-7-2:2017,IEC 62321-8:2017, analyzed by ICP-OES,UV-vis and GC-MS.

Test Item(s)	Requirement	Unit	MDL	Result (s)
				I001
Lead (Pb)	1000	mg/kg	10	N.D.
Mercury (Hg)	1000	mg/kg	10	N.D.
Cadmium(Cd)	100	mg/kg	10	N.D.
Hexavalent Chromium (CrVI)	1000	mg/kg	10	N.D.
Monobromobiphenyl	---	mg/kg	50	N.D.
Dibromobiphenyl	---	mg/kg	50	N.D.
Tribromobiphenyl	---	mg/kg	50	N.D.
Tetrabromobiphenyl	---	mg/kg	50	N.D.
Pentabromobiphenyl	---	mg/kg	50	N.D.
Hexabromobiphenyl	---	mg/kg	50	N.D.
Heptabromobiphenyl	---	mg/kg	50	N.D.
Octabromobiphenyl	---	mg/kg	50	N.D.
Nonabromobiphenyl	---	mg/kg	50	N.D.
Decabromobiphenyl	---	mg/kg	50	N.D.
Sum of PBBs	1000	mg/kg	50	N.D.
Monobromodiphenyl ether	---	mg/kg	50	N.D.
Dibromodiphenyl ether	---	mg/kg	50	N.D.
Tribromodiphenyl ether	---	mg/kg	50	N.D.
Tetrabromodiphenyl ether	---	mg/kg	50	N.D.
Pentabromodiphenyl ether	---	mg/kg	50	N.D.
Hexabromodiphenyl ether	---	mg/kg	50	N.D.
Heptabromodiphenyl ether	---	mg/kg	50	N.D.
Octabromodiphenyl ether	---	mg/kg	50	N.D.
Nonabromodiphenyl ether	---	mg/kg	50	N.D.
Decabromodiphenyl ether	---	mg/kg	50	N.D.
Sum of PBDEs	1000	mg/kg	50	N.D.

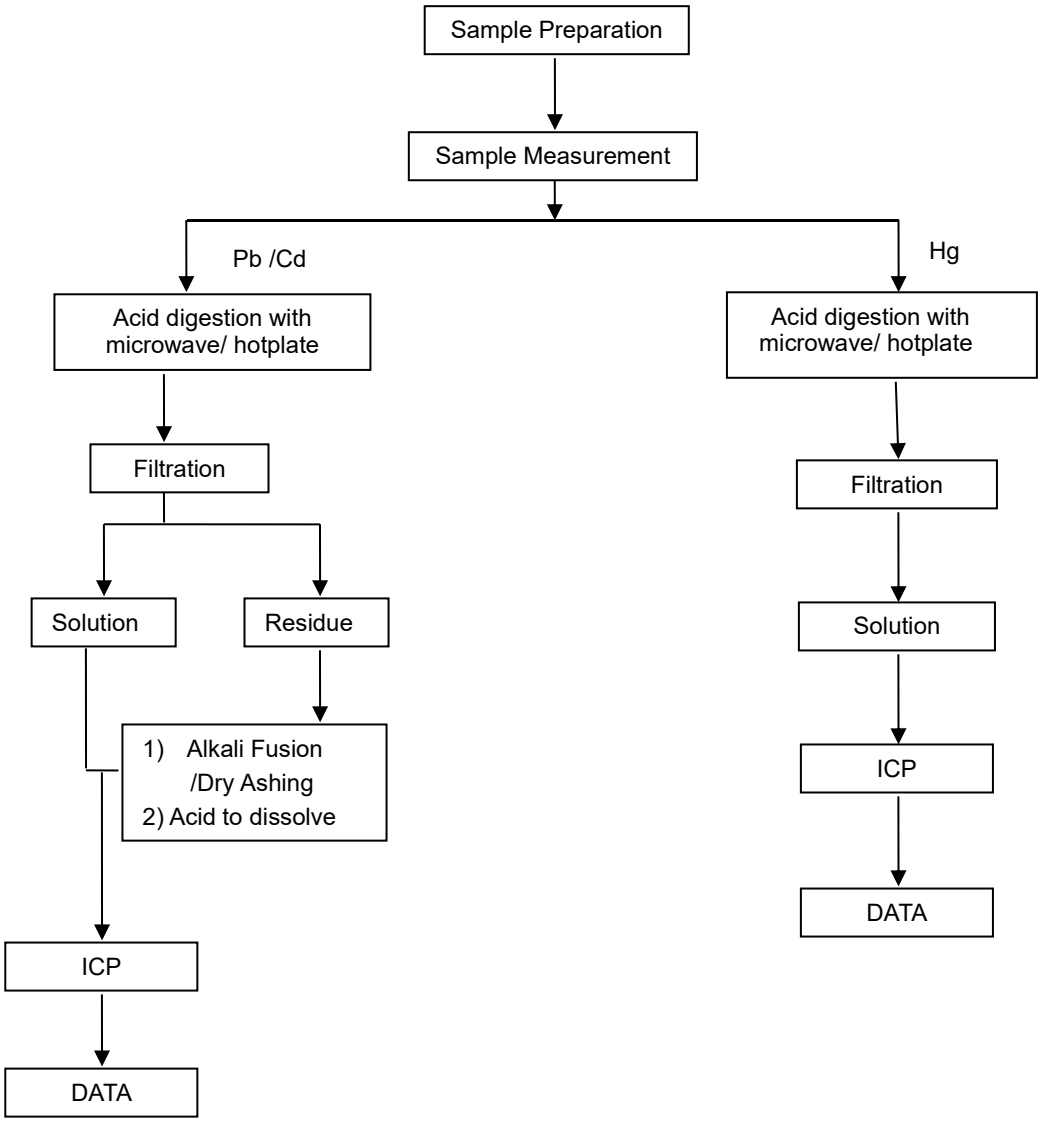
Test Item(s)	Requirement	Unit	MDL	Result (s)
				I001
Dibutyl phthalate (DBP)	1000	mg/kg	50	N.D.
Di-(2-ethyl hexyl) phthalate (DEHP)	1000	mg/kg	50	N.D.
Benzyl butyl phthalate (BBP)	1000	mg/kg	50	N.D.
Di-(iso-butyl) phthalate (DIBP)	1000	mg/kg	50	N.D.
Conclusion				PASS

Note: N.D. = Not detected(<MDL) MDL= Detection Limit
N.A. = Not applicable
mg/kg = milligram per kilogram = ppm = part per million 10 000 mg/kg = 1 %

Disclaimer Measurement Uncertainty:

Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither by assessed as PASS nor as FAIL.

Pb/Cd/Hg Testing Flow Chart



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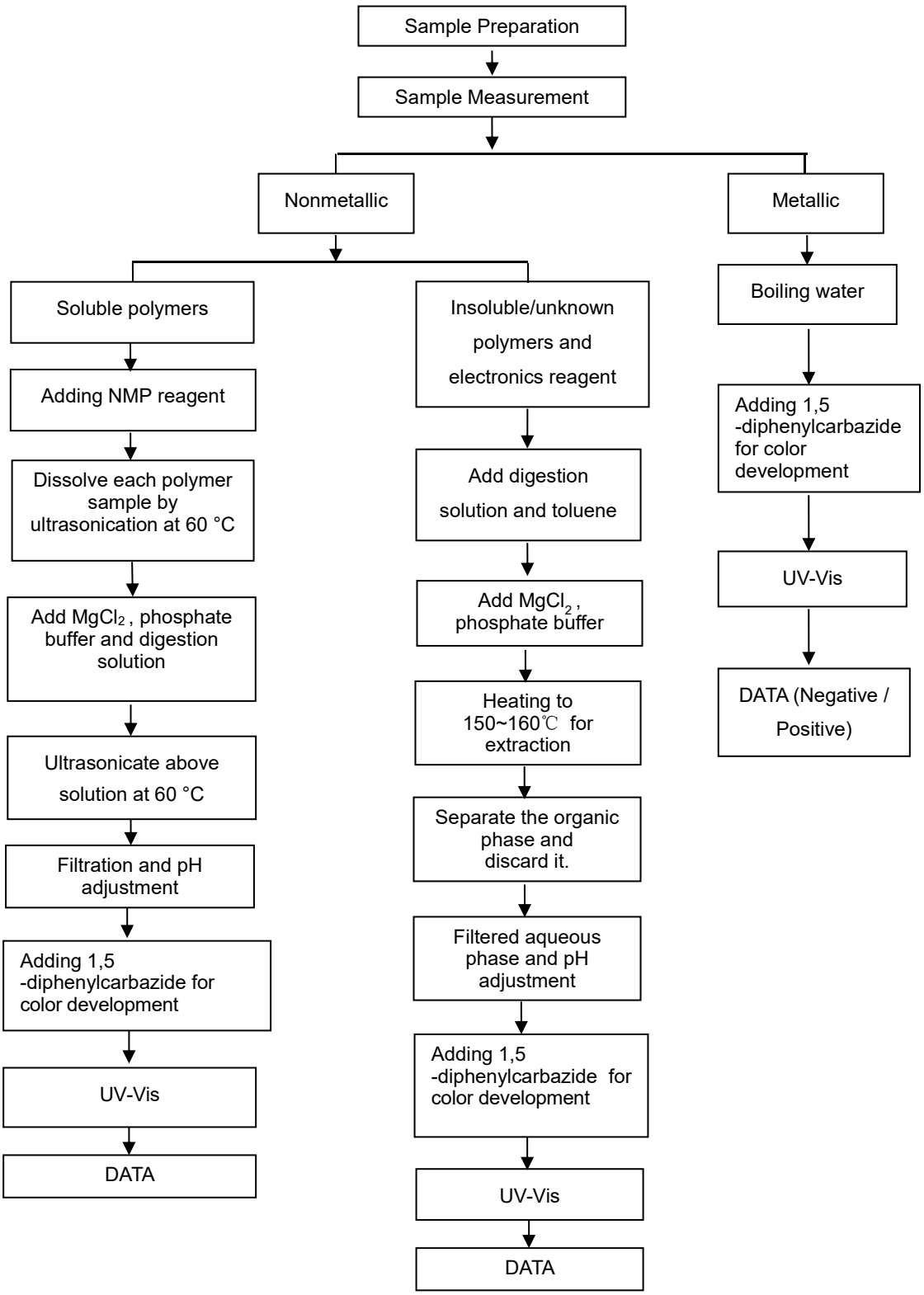
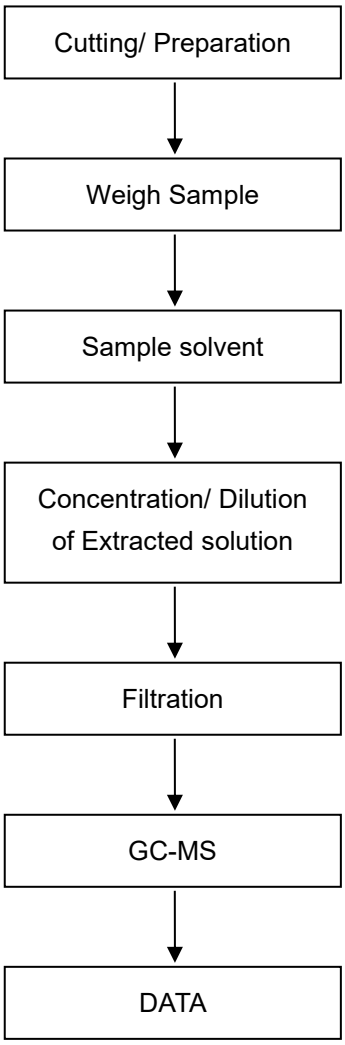
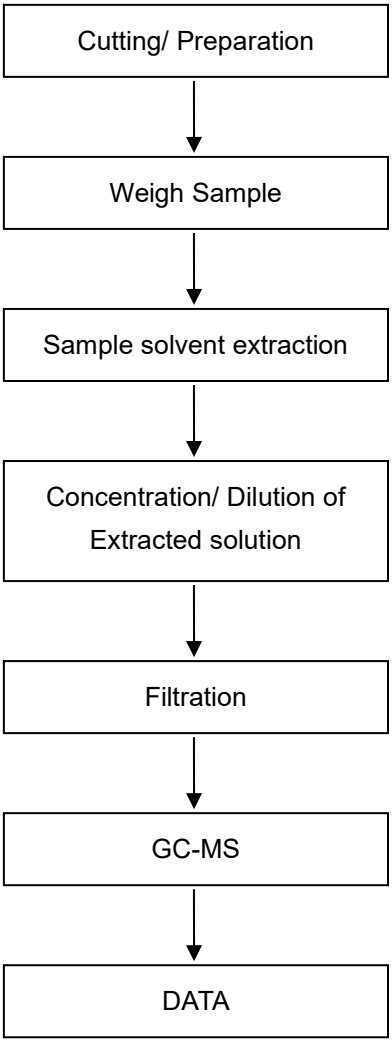
Cr^{6+} Testing Flow Chart



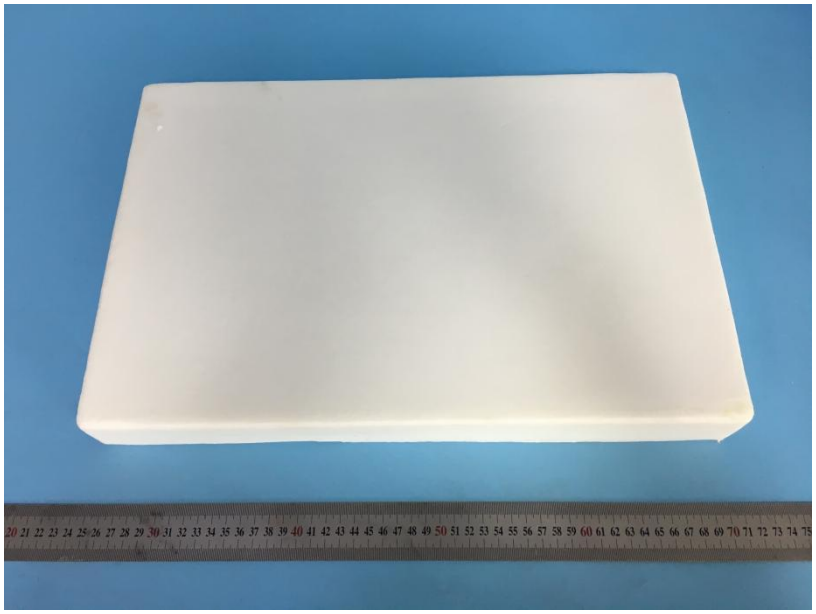
PBBs/PBDEs Testing Flow Chart



Phthalates Testing Flow Chart



Samples photograph



NB2023065121

NBTS authenticate the photograph on original report only

*** End of Report ***

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