

Test Report No.: CANEC24022693001 **Date:** Oct 24, 2024 Page 1 of 25

Client Name: KINGBOARD LAMINATES HOLDINGS LIMITED

Client Address: 23/F., DELTA HOUSE, NO.3 ON YIU STREET, SHATIN, N.T. HONG KONG.

Sample Name: KB-6060 Model No.: KB-6060

Client Ref. Information: KB-6060A,KB-6060C,KB-6064, KB-6060F,PP-138

The above sample(s) and information were provided by the client.

SGS Job No.: GZP24-030805 Sample Receiving Date: Oct 15, 2024

Testing Period: Oct 15, 2024 ~ Oct 23, 2024

Test Requested: Select test(s) as requested by the client.

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

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

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass
Tetrabromobisphenol A (TBBP-A)	See Results
Alkanes C14-C17, chloro (medium- chain chlorinated paraffins) (MCCPs)	See Results
AfPS GS 2019:01 PAK-Polycyclic Aromatic Hydrocarbons (PAHs)	See Results
Persistent, Bioaccumulative, and Toxic (PBT) Chemicals under US EPA Toxic Substances Control Act (TSCA) Section 6(h)	Pass
Halogen	See Results
Element(s)	See Results
Red Phosphorus	See Results

Signed for and on behalf of

SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Jany Zhong

Approved Signatory

Jany Zhong





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Test Requirement	Conclusion
Polychlorinated Biphenyls (PCBs)	See Results
Asbestos	See Results
Bisphenol-A	See Results
Dimethyl fumarate (DMFu)	See Results
Formaldehyde	See Results
Hexabromocyclododecane (HBCDD)	See Results
Phthalates	See Results
Polyvinyl chloride (PVC)	See Results

Test Result(s):

Test Part Description:

Ì	SN ID	Sample No.	SGS Sample ID	Description
	SN1	A1	CAN24-0226930-0001.C001	Yellow sheet

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017 and IEC 62321-12:2023, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A1
Lead (Pb)	1000	mg/kg	2	11
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Polybrominated biphenyls (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	25	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	25	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	25	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	25	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	25	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	25	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	25	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	25	ND



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Test Item(s)	Limit	Unit(s)	MDL	A1
Nonabrominated biphenyl (NonaBB)	-	mg/kg	25	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	25	ND
Polybrominated diphenyl ethers (PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	25	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	25	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	25	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	25	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	25	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	25	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	25	ND
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	25	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	25	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	25	ND
Di-2-Ethyl Hexyl Phthalate (DEHP)	1000	mg/kg	50	ND
Benzyl Butyl Phthalate (BBP)	1000	mg/kg	50	ND
Dibutyl Phthalate (DBP)	1000	mg/kg	50	ND
Diisobutyl Phthalate (DIBP)	1000	mg/kg	50	ND

Notes:

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
- (2) IEC 62321 series is equivalent to EN 62321 series.
- (3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

Tetrabromobisphenol A (TBBP-A)

Test Method: With reference to US EPA 3550C: 2007, analysis was performed by GC-MS or LC-MS or LC-MS/MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Tetrabromobisphenol A(TBBP-A)	79-94-7	mg/kg	5	ND

Alkanes C14-C17, chloro (medium- chain chlorinated paraffins) (MCCPs)

Test Method: With reference to ISO 22818:2021, analysis was performed by GC-NCI-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Alkanes C ₁₄ -C ₁₇ , chloro (medium- chain chlorinated paraffins) (MCCPs)	85535-85-9 and others	mg/kg	50	ND



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AfPS GS 2019:01 PAK-Polycyclic Aromatic Hydrocarbons (PAHs)

Test Method: With reference to AfPS GS 2019:01 PAK, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Benzo(a)pyrene(BaP)	50-32-8	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	mg/kg	0.1	ND
Benzo(a)anthracene(BaA)	56-55-3	mg/kg	0.1	ND
Benzo(b)Fluoranthene(BbF)	205-99-2	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	205-82-3	mg/kg	0.1	ND
Benzo(k)Fluoranthene(BkF)	207-08-9	mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	mg/kg	0.1	ND
Dibenzo(a,h)Anthracene(DBA)	53-70-3	mg/kg	0.1	ND
Benzo(g,h,i)perylene(BPE)	191-24-2	mg/kg	0.1	ND
Indeno(1,2,3-c,d)pyrene(IPY)	193-39-5	mg/kg	0.1	ND
Phenanthrene(PHE)	85-01-8	mg/kg	0.1	ND
Pyrene(PYR)	129-00-0	mg/kg	0.1	ND
Anthracene(ANT)	120-12-7	mg/kg	0.1	ND
Fluoranthene(FLT)	206-44-0	mg/kg	0.1	ND
Sum of Phenanthrene(PHE), Pyrene(PYR), Anthracene(ANT), Fluoranthene(FLT)	-	mg/kg	-	ND
Naphthalene(NAP)	91-20-3	mg/kg	0.1	ND
Sum of 15 PAHs	-	mg/kg	-	ND
Material Category	-	-	-	-

Notes:

AfPS (German commission for Product Safety): PAHs requirements

	Category 1	Catego	ory 2	Catego	ry 3
	Materials intended to be placed in the mouth, or materials coming into long-term contact with skin	Materials not co category 1, com term contact (m or short-term re contact ^c with ski intended or fore	ning into long- ore than 30s) petitive in during the	Materials covered by category 1 n category 2, come short-term contains 30s) with skin dintended or fore use.	or by ning into act (up to uring the
Parameter	contact with skin (more than 30s) during the intended use -in toys according to Directive 2009/48/EC or -for the use by children ^{a,b} up to 3 years of	a. use by children	b. other consumer products	a. use by children	b. other consumer products



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Benzo(a)pyrene (BaP)						
mg/kg State of the control		< 0.2	< 0.2	< 0.5	< 0.5	< 1
(BaA) mg/kg 40.2 40.2 40.5 41 Benzo(b)fluoranthene (BbF) mg/kg 40.2 40.2 40.5 41 Benzo(j)fluoranthene (BjF) mg/kg 40.2 40.2 40.5 40.5 41 Benzo(k)fluoranthene (BjF) mg/kg 40.2 40.2 40.5 40.5 41 Chrysene (CHR) mg/kg 40.2 40.2 40.5 40.5 41 Dibenzo(a,h)anthracen (DBA) mg/kg 40.2 40.2 40.5 40.5 41 Benzo(g,h,i)perylene (BPE) mg/kg 40.2 40.2 40.5 40.5 41 Indeno(1,2,3-cd)pyrene (IPY) mg/kg 40.2 40.2 40.5 40.5 41 Phenanthrene (PHE), pyrene (PYR), anthracene (ANT), fluoranthene (FLT), mg/kg 41 45 Sum 410 Sum 40 Sum 40 Sum Naphthalene (NAP) mg/kg 41 42 410 410	, ,, ,	< 0.2	< 0.2	< 0.5	< 0.5	< 1
(BbF) mg/kg 4 0.2 < 0.2	` ,	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(k)fluoranthene (BkF)mg/kg	` ,	< 0.2	< 0.2	< 0.5	< 0.5	< 1
(BkF)mg/kg Chrysene (CHR) mg/kg < 0.2 < 0.2 < 0.5 < 1 Dibenzo(a,h)anthracen e (DBA) mg/kg < 0.2		< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenzo(a,h)anthracen e (DBA) mg/kg < 0.2 < 0.2 < 0.5 < 1 Benzo(g,h,i)perylene (BPE) mg/kg < 0.2		< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(g,h,i)perylene (BPE) mg/kg < 0.2	Chrysene (CHR) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indeno(1,2,3-cd)pyrene		< 0.2	< 0.2	< 0.5	< 0.5	< 1
Phenanthrene (PHE), pyrene (PYR), anthracene (ANT), fluoranthene (FLT), mg/kg Naphthalene (NAP)		< 0.2	< 0.2	< 0.5	< 0.5	< 1
pyrene (PYR), anthracene (ANT), fluoranthene (FLT), mg/kg Naphthalene (NAP) <1 <2 <10 sum <50		< 0.2	< 0.2	< 0.5	< 0.5	< 1
mg/kg	pyrene (PYR), anthracene (ANT), fluoranthene (FLT),	< 1 Sum	< 5 Sum	< 10 Sum	< 20 Sum	< 50 Sum
Sum of 15 PAHs <1 <5 < 10 < 20 < 50	. , ,	< 1	< 2		< 10)
	Sum of 15 PAHs	<1	< 5	< 10	< 20	< 50

Notes:

- ^a A "Child" is legally defined as a person before reaching the age of 14 years.
- ^b Use by children includes both active and passive contact by children.
- ^c Definition "short-term repetitive contact" taken from REACH Annex XVII entry 50 amendment (Regulation (EC) No.1272/2013)
- ^d According to the definition of the German Product Safety Act (ProdSG) (chapter 1 Article 2 No. 28)
- "foreseeable use" shall mean the use of a product in a manner that the person placing it on the market, has not intended, but which could be reasonably foreseeable.

Remark:

The German committee on Product Safety (AfPS) published a new PAHs document (AfPS GS 2019:01 PAK) on April 10, 2020, which will be binding for the issue of GS mark certificate from July 1, 2020.

Persistent, Bioaccumulative, and Toxic (PBT) Chemicals under US EPA Toxic Substances Control Act (TSCA) Section 6(h)



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Test Method: SGS In-house method (SGS-CCL-TOP-149-07, With reference to US EPA Method

3550C:2007), analysis was performed by GC-MS.

Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A1
Decabromodiphenyl ether (DecaBDE) ^{Δ1}	1163-19-5	Prohibite d	mg/kg	5	ND
Phenol, isopropylated phosphate (3:1) (PIP 3:1) ²	68937-41-7	Prohibite d	mg/kg	5	ND
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP) ^a	732-26-3	3000	mg/kg	5	ND
Hexachlorobutadiene (HCBD)	87-68-3	Prohibite d	mg/kg	5	ND
Pentachlorothiophenol (PCTP)	133-49-3	10000	mg/kg	5	ND
Conclusion			12:		Pass

Notes:

(1) The regulation is available at the following link.

https://www.epa.gov/assessing-and-managing-chemicals-under-tsca/persistent-bioaccumulative-and-toxic-pbt-chemicals-under

- (2) $^{\Delta 1}$: The submitted sample is exempted if it is plastic for recycling from products or articles containing Deca-BDE.
- (3) \triangle^2 : The submitted sample is exempted from the regulated scope if it is anyone of the following:
- Hydraulic fluids for aviation or military industry;
- Lubricants and grease;
- New and replacement parts for motor and aerospace vehicles;
- Intermediate in a closed system to produce cyanoacrylate adhesive;
- Specialized engine air filters for locomotive and marine applications;
- Plastic for recycling from products or articles containing PIP (3:1);
- Finished products or articles made of plastic recycled from products or articles containing PIP (3:1).
- (4) \triangle^3 : The submitted sample is out of the regulated scope if it is not oil or lubricant.

<u>Halogen</u>

Test Method: With reference to EN 14582:2016, analysis was performed by IC.

Test Item(s)	Unit(s)	MDL	A1
Fluorine(F)	mg/kg	20	248
Chlorine(Cl)	mg/kg	50	168
Bromine(Br)	mg/kg	50	24014
lodine(I)	mg/kg	50	ND

Element(s)

Test Method: With reference to US EPA 3052:1996, analysis was performed by ICP-OES/AAS.

Test Item(s)	Unit(s)	MDL	A1
Arsenic(As)	mg/kg	10	ND
Beryllium(Be)	mg/kg	5	ND
Nickel (Ni)	mg/kg	5	ND



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Test Item(s)	Unit(s)	MDL	A1
Antimony(Sb)	mg/kg	10	ND

Red Phosphorus

Test Method: SGS In-house method (SGS-CCL-TOP-215-01), analysis was performed by PY-GC/MS/

ICP-OES / GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Red Phosphorus	7723-14-0	mg/kg	500	ND

Polychlorinated Biphenyls (PCBs)

Test Method: SGS In-house method (GZTC CHEM-TOP-032-01, with reference to EPA 8082A:2007),

analysis was performed by GC-ECD/GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
2,4,4'-Trichlorobiphenyl(PCB28)	7012-37-5	mg/kg	0.5	ND
2,2',5,5'-Tetrachlorobiphenyl(PCB52)	35693-99-3	mg/kg	0.5	ND
2,2',4,5,5'-Pentachlorobiphenyl(PCB101)	37680-73-2	mg/kg	0.5	ND
2,3',4,4',5-Pentachlorobiphenyl(PCB118)	31508-00-6	mg/kg	0.5	ND
2,2',3,4,4',5'- Hexachlorobiphenyl(PCB138)	35065-28-2	mg/kg	0.5	ND
2,2',4,4',5,5'- Hexachlorobiphenyl(PCB153)	35065-27-1	mg/kg	0.5	ND
2,2',3,4,4',5,5'- Heptachlorobiphenyl(PCB180)	35065-29-3	mg/kg	0.5	ND

Asbestos

Test Method: With reference to NIOSH 9000:2015 / NIOSH 9002:1994, analysis was performed by XRD / PLM.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Chrysotile	12001-29-5 /132207-32-0	%(m/m)	0.1	Negative
Amosite	12172-73-5	%(m/m)	0.1	Negative
Crocidolite	12001-28-4	%(m/m)	0.1	Negative
Anthophyllite	77536-67-5	%(m/m)	0.1	Negative
Tremolite	77536-68-6	%(m/m)	0.1	Negative
Actinolite	77536-66-4	%(m/m)	0.1	Negative

Notes

(1) Negative = the absence of asbestos, Positive = the presence of asbestos.

Bisphenol-A

Test Method: SGS In-house method (GZTC CHEM-TOP-075-02, With reference to EPA 3550C:2007 & EPA 8321B:2007), analysis was performed by HPLC-DAD/MS / LC-MS/MS.



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Test Item(s)	CAS No.	Unit(s)	MDL	A1
Bisphenol-A	80-05-7	mg/kg	1.0	ND

Dimethyl fumarate (DMFu)

Test Method: Solvent extraction, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Dimethyl Fumarate (DMFu)	624-49-7	mg/kg	0.1	ND

Formaldehyde

Test Method: With reference to ISO 14184-1:2011, analysis was performed by UV-Vis.

Test Item(s)	Unit(s)	MDL	A1
Formaldehyde	mg/kg	16	ND

Hexabromocyclododecane (HBCDD)

Test Method: With reference to IEC 62321-9:2021, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
	134237-50-6			
Hexabromocyclododecane (HBCDD)	/134237-51-7			
and all major diastereoisomers identified	/134237-52-8	mg/kg	20	ND
(α-HBCDD, β-HBCDD, γ-HBCDD)	/25637-99-4			
	/3194-55-6			

Phthalates

Test Method: With reference to IEC 62321-8:2017, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Dibutyl Phthalate(DBP)	84-74-2	mg/kg	50	ND
Bis-(2-ethylhexyl) Phthalate(DEHP)	117-81-7	mg/kg	50	ND
Benzyl Butyl Phthalate(BBP)	85-68-7	mg/kg	50	ND
Diisononyl Phthalate (DINP)	28553-12-0 /68515-48-0	mg/kg	50	ND
Di-n-Octyl Phthalate(DNOP)	117-84-0	mg/kg	50	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 /68515-49-1	mg/kg	50	ND
Diisobutyl Phthalate(DIBP)	84-69-5	mg/kg	50	ND
Bis(2-methoxyethyl)phthalate(DMEP)	117-82-8	mg/kg	50	ND
Di-n-Hexyl Phthalate(DnHP)	84-75-3	mg/kg	50	ND
Dipentyl Phthalate (DPENP/DnPP)	131-18-0	mg/kg	50	ND
Diphenyl Phthalate(DPhP)	84-62-8	mg/kg	50	ND
Diundecyl Phthalate(DUDP)	3648-20-2	mg/kg	50	ND
Dimethyl Phthalate(DMP)	131-11-3	mg/kg	50	ND
Diethyl Phthalate(DEP)	84-66-2	mg/kg	50	ND
Dipropyl Phthalate(DPrP)	131-16-8	mg/kg	50	ND



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Test Item(s)	CAS No.	Unit(s)	MDL	A1
Dicyclohexyl Phthalate(DCHP)	84-61-7	mg/kg	50	ND
Dibenzyl Phthalate(DBzP)	523-31-9	mg/kg	50	ND
Dinonyl Phthalate(DNP)	84-76-4	mg/kg	50	ND
Diisooctyl Phthalate(DIOP)	27554-26-3	mg/kg	50	ND
Diallyl Phthalate(DAP)	131-17-9	mg/kg	50	ND
n-Decyl-n-Octyl Phthalate(nDnOP)	119-07-3	mg/kg	50	ND
Di-n-Decyl Phthalate(DnDP)	84-77-5	mg/kg	50	ND
Diisopentyl Phthalate(DIPP)	605-50-5	mg/kg	50	ND
n-pentyl Isopentyl Phthalate(nPIPP)	776297-69-9	mg/kg	50	ND
Bis(2-n-butoxyethyl)Phthalate(DBEP)	117-83-9	mg/kg	50	ND
Bis(4-methyl-2-pentyl)Phthalate(BMPP)	146-50-9	mg/kg	50	ND
Bis(2-ethoxyethyl)Phthalate(DEEP)	605-54-9	mg/kg	50	ND
1,2-Benzenedicarboxylic Acid,di-C6-8-	71888-89-6		50	ND
branched alkyl esters,C7-rich(DIHP)	7 1000-09-0	mg/kg	50	טוו
Di-n-Heptyl Phthalate(DnHpP)	3648-21-3	mg/kg	50	ND
1,2-Benzenedicarboxylic Acid,Di-C7-11-				
Branched and Linear Alkyl	68515-42-4	mg/kg	50	ND
Esters(DHNUP)				
1,2-Benzenedicarboxylic Acid,Dipentyl	84777-06-0	mg/kg	50	ND
Ester,Branched and Linear(DPP)		0 0		
Ditridecyl Phthalate(DTDP)	119-06-2	mg/kg	50	ND
1,2-benzenedicarboxylic Acid,dihexyl	68515-50-4	mg/kg	50	ND
ester branched and linear(DHxP)				
Di-(2-Ethylhexyl)Adipate(DEHA)	103-23-1	mg/kg	50	ND
Dioctyl Terephthalate(DOTP)	6422-86-2	mg/kg	50	ND
Diisononyl Adipate(DINA)	33703-08-1	mg/kg	50	ND
Di(2-propylheptyl)Phthalate(DPHpP)	53306-54-0	mg/kg	50	ND
Acetyl Tributyl Citrate(ATBC)	77-90-7	mg/kg	50	ND
Trioctyl trimellitate(TOTM)	3319-31-1	mg/kg	50	ND

Polyvinyl chloride (PVC)

Test Method: SGS In-house method (SGS-CCL-TOP-066-01), analysis was performed by FTIR/HATR.

Test Item(s)	A1
Polyvinyl chloride (PVC)	Negative

Notes:

(1) Negative=Undetectable, Positive=Detectable

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



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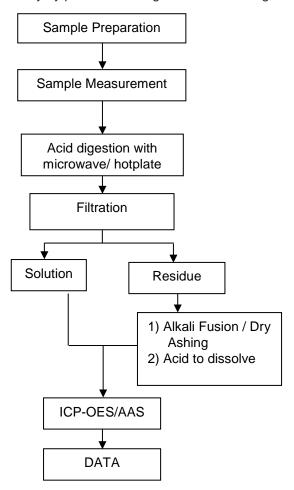
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Elements Testing Flow Chart

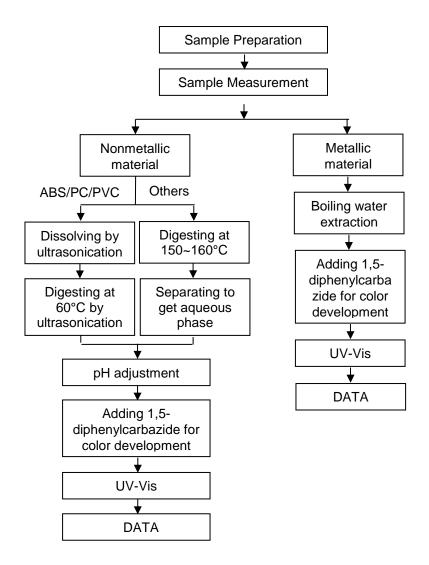
These samples were dissolved totally by pre-conditioning method according to below flow chart.







Hexavalent Chromium (Cr(VI)) Testing Flow Chart





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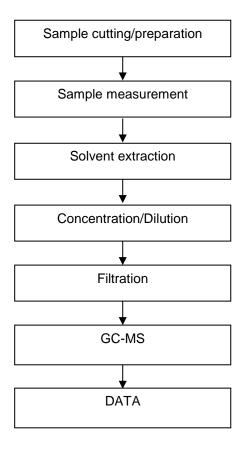
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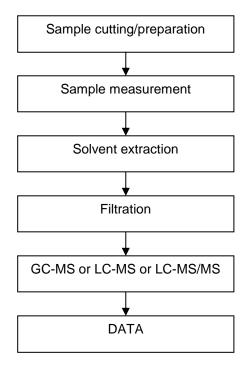
PBB/PBDE/Phthalates Testing Flow Chart







TBBP-A Testing Flow Chart





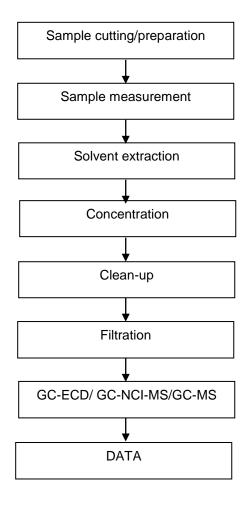
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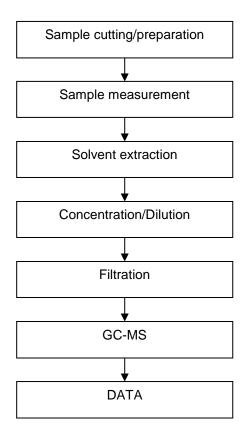
Chlorinated Paraffin Testing Flow Chart







PAHs Testing Flow Chart



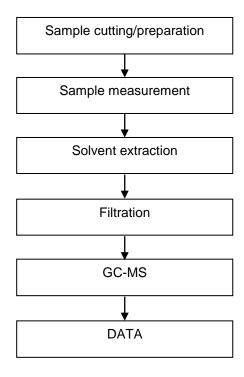




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Persistent, Bioaccumulative, and Toxic (PBT) Chemicals Testing Flow Chart





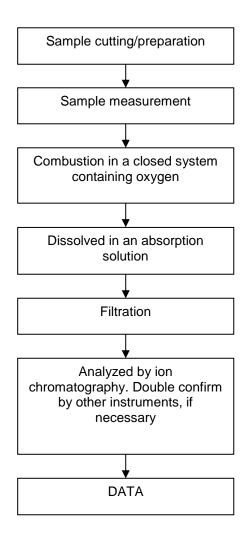
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Halogen Testing Flow Chart





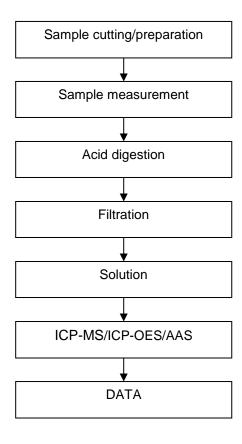
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Elements Testing Flow Chart





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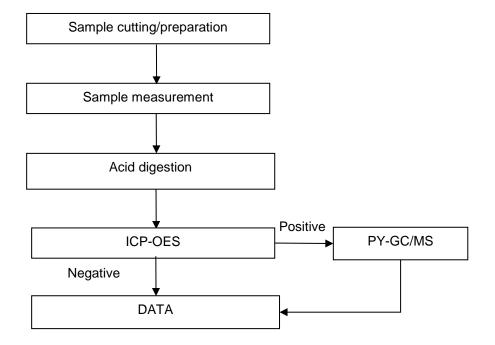
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Red phosphorus Testing Flow Chart





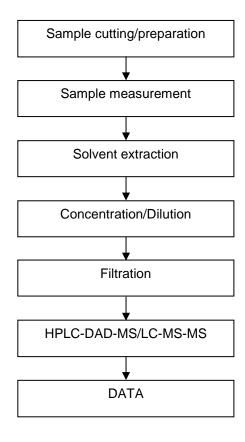
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BPA Testing Flow Chart





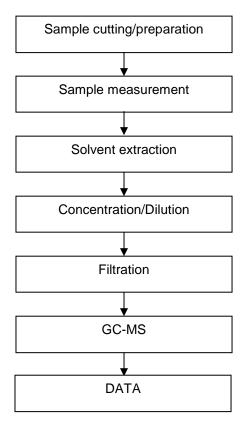
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DMF (Dimethyl fumarate) Testing Flow Chart





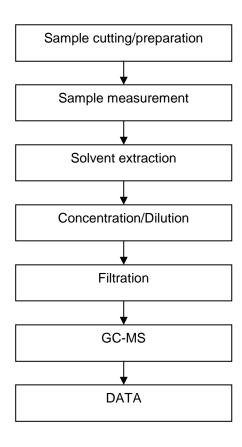
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HBCDD Testing Flow Chart





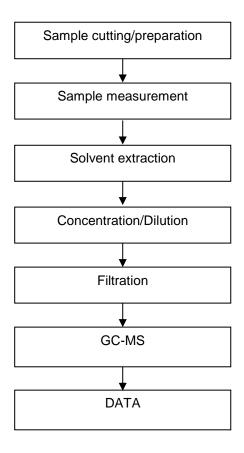
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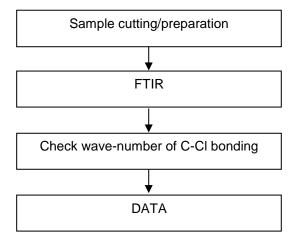
Phthalates Testing Flow Chart







PVC Testing Flow Chart

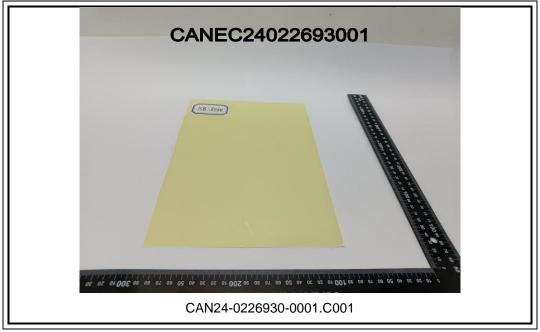






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