

Test Report No. CANEC2303774613 Date: 14 Apr 2023 Page 1 of 18

Client Name: WINDAY ELECTRONIC(DONG GUAN) CO.,LTD

Client Address: LONG QUAN INDUSTRY XIN-JIU-WEI TERRITORY LIAO BU VILLAGE DONGGUAN CITY

GUANGDONG CHINA

Sample Name: METALLIZEDFILM CAPACITOR (BOX)

Model No.: MPX-X2

Client Ref. Info.: MPX-X1,MPC,MEC,MEB,MCB,,MMC,MXJ,MIT,MC4,NPX,

MS3,MCA, MCD, M65, M60

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

SGS Job No.: CP23-011507 - SZ

Date of Sample Received: 16 Mar 2023

Testing Period: 16 Mar 2023 - 12 Apr 2023

Test Requested: Selected 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).

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Coral Qiu

Coral Qiu

Approved Signatory







No. CANEC2303774613

Date: 14 Apr 2023

Page 2 of 18

Test Result(s):

Test Part Description:

Specimen No.	SGS Sample ID	Description
SN1	CAN23-037746.001	Colorless transparent film with grey surface 1#
SN2	CAN23-037746.002	Yellow material 2#
SN3	CAN23-037746.003	Yellow plastic 3#
SN4	CAN23-037746.004	Yellow material with silvery surfaced 4#
SN5	CAN23-037746.006	Yellow body with silvery metall pin(mixed) 6#
SN6	CAN23-037746.007	Dark yellow body with silvery metall pin(mixed) 7#

Remarks:

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

<u>Halogen</u>

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

Test Item(s)	<u>Unit</u>	<u>MDL</u>	<u>007</u>
Fluorine (F)	mg/kg	50	ND
Chlorine (CI)	mg/kg	50	248
Bromine (Br)	mg/kg	50	ND
lodine (I)	mg/kg	50	ND

N,N-dimethylformamide (DMFA)

Test Method: With reference to ISO 16189:2021, analysis was performed by GC-MS.

Test Item(s)	CAS NO.	<u>Unit</u>	<u>MDL</u>	<u>001</u>	<u>002</u>	<u>003</u>
N,N-dimethylformamide	68-12-2	%	0.0005	ND	ND	ND





Test Report No. CANEC2303774613 Date: 14 Apr 2023 Page 3 of 18

Test Item(s) CAS NO. Unit MDL 004
N,N-dimethylformamide 68-12-2 % 0.0005 ND

Red Phosphor

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

ICP-OES / GC-MS.

U<u>nit</u> Test Item(s) MDL 001 002 003 Red phosphorus mg/kg 500 ND ND ND Test Item(s) **Unit MDL** *004* Red phosphorus mg/kg 500 ND

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.	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Naphthalene(NAP)	91-20-3	mg/kg	0.1	ND
Phenanthrene(PHE)	85-01-8	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
Pyrene(PYR)	129-00-0	mg/kg	0.1	ND
Benzo(a)anthracene(BaA)	56-55-3	mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	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
Benzo(a)pyrene(BaP)	50-32-8	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	mg/kg	0.1	ND
Indeno(1,2,3-c,d)pyrene(IPY)	193-39-5	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
Sum of 4 PAHs (Phenanthrene, Pyrene, Anthracene,	-	mg/kg	-	ND
Fluoranthene)				
Sum of 15 PAHs	-	mg/kg	-	ND



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.198、Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 中国・广东・广州高新技术产业开发区科学城科珠路198号 邮编: 510663



Test Report	No. CANEC2303774613	Date: 14 Apr 2023	Page	e 4 of 18
Test Item(s)	<u>CAS NO</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Test Item(s)	CAS NO	<u>Unit</u>	<u>MDL</u>	002
Naphthalene(NAP)	91-20-3	mg/kg	0.1	ND
Phenanthrene(PHE)	85-01-8	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
Pyrene(PYR)	129-00-0	mg/kg	0.1	ND
Benzo(a)anthracene(BaA)	56-55-3	mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	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
Benzo(a)pyrene(BaP)	50-32-8	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	mg/kg	0.1	ND
Indeno(1,2,3-c,d)pyrene(IPY)	193-39-5	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
Sum of 4 PAHs (Phenanthrene, Pyren	ne, Anthracene, -	mg/kg	-	ND
Fluoranthene)				
Sum of 15 PAHs	-	mg/kg	-	ND
Test Item(s)	<u>CAS NO</u>		MDL	<u>003</u>
Naphthalene(NAP)	91-20-3	mg/kg	0.1	ND
Phenanthrene(PHE)	85-01-8	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
Pyrene(PYR)	129-00-0	mg/kg	0.1	ND
Benzo(a)anthracene(BaA)	56-55-3	mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	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
Benzo(a)pyrene(BaP)	50-32-8	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	mg/kg	0.1	ND
Indeno(1,2,3-c,d)pyrene(IPY)	193-39-5	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
Sum of 4 PAHs (Phenanthrene, Pyren Fluoranthene)	ne, Anthracene, -	mg/kg	-	ND



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 中国・广东・广州高新技术产业开发区科学城科珠路198号 邮编: 510663



Test Report	No. CANEC2303774613	Date: 14 Apr 2023	Pag	e 5 of 18
Test Item(s)	CAS N	O. Unit	MDL	<u>003</u>
Sum of 15 PAHs	-	mg/kg	-	ND
Test Item(s)	CAS N	O. Unit	<u>MDL</u>	<u>004</u>
Naphthalene(NAP)	91-20-3	3 mg/kg	0.1	ND
Phenanthrene(PHE)	85-01-8	8 mg/kg	0.1	ND
Anthracene(ANT)	120-12-7	7 mg/kg	0.1	ND
Fluoranthene(FLT)	206-44-0	0 mg/kg	0.1	ND
Pyrene(PYR)	129-00-0	0 mg/kg	0.1	ND
Benzo(a)anthracene(BaA)	56-55-3	3 mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	9 mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF)	205-99-2	2 mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	205-82-3	3 mg/kg	0.1	ND
Benzo(k)fluoranthene(BkF)	207-08-9	9 mg/kg	0.1	ND
Benzo(a)pyrene(BaP)	50-32-8	3 mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	2 mg/kg	0.1	ND
Indeno(1,2,3-c,d)pyrene(IPY)	193-39-5	5 mg/kg	0.1	ND
Dibenzo(a,h)anthracene(DBA)	53-70-3	3 mg/kg	0.1	ND
Benzo(g,h,i)perylene(BPE)	191-24-2	2 mg/kg	0.1	ND
Sum of 4 PAHs (Phenanthrene, Pyre	ne, Anthracene, -	mg/kg	-	ND
Fluoranthene)				
Sum of 15 PAHs	-	mg/kg	-	ND





No. CANEC2303774613

Date: 14 Apr 2023

Page 6 of 18

AfPS (German commission for Product Safety): PAHs requirements

	Category 1	Cate	gory 2	Category 3	
Parameter (mg/kg)	Materials intended to be placed in the mouth, or materials coming into long-term contact with skin (more than 30s) during the intended use	Materials not covered by category 1, coming into long-term contact (more than 30s) or short-term repetitive contact ^c with skin during the intended or foreseeable use ^d .		Materials covered neither by category 1 nor by category 2, coming into short-term contact (up to 30s) with skin during the intended or foreseeable use.	
	-in toys according to Directive 2009/48/EC or -for the use by children ^{a,b} up to 3 years of age.	a. use by children	b. other consumer products	a. use by children	b. other consumer products
Benzo(a)pyrene (BaP)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(e)pyrene (BeP)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(a)anthracene (BaA)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(b)fluoranthene (BbF)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(j)fluoranthene (BjF)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(k)fluoranthene (BkF)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Chrysene (CHR)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenzo(a,h)anthracene (DBA)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(g,h,i)perylene (BPE)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indeno(1,2,3-cd)pyrene (IPY)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Phenanthrene (PHE), pyrene (PYR), anthracene (ANT), fluoranthene (FLT)	< 1 Sum	< 5 Sum	< 10 Sum	< 20 Sum	< 50 Sum
Naphthalene (NAP)	< 1	<	2	< 1	0
Sum of 15 PAHs	<1	< 5	< 10	< 20	< 50

Note:

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.

N,N-dimethylformamide

Test Method: With reference to EN 17131:2019. Analysis was conducted by GC-MS.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 中国・广东・广州高新技术产业开发区科学城科珠路198号 邮编: 510663 t (86–20) 82155555 www. t (86–20) 82155555 sgs.

^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.



Test Report	No. CANEC2303774613	Date: 14 Apr 2023	Page	7 of 18
Test Item(s) N,N-Dimethyl formamide (DMFa)	<u>CAS NO</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
	68-12-2	%	0.0005	ND
<u>Test Item(s)</u>	<u>CAS NO</u>	<u>Unit</u>	<u>MDL</u>	<u>002</u>
N,N-Dimethyl formamide (DMFa)	68-12-2	%	0.0005	ND
<u>Test Item(s)</u>	<u>CAS NO</u>	<u>Unit</u>	<u>MDL</u>	<u>003</u>
N,N-Dimethyl formamide (DMFa)	68-12-2	%	0.0005	ND
<u>Test Item(s)</u>	<u>CAS NO</u>	<u>Unit</u>	MDL	<u>004</u>
N,N-Dimethyl formamide (DMFa)	68-12-2	%	0.0005	ND

Perfluoroalkyl and polyfluoroalkyl substances (PFAS) Content

Test Method: With reference to CEN/TS 15968:2010, analysis was performed by LC-MS or LC-MS/MS and GC-MS.

Test Item(s)	CAS NO.	<u>Unit</u>	<u>MDL</u>	<u>006</u>
Perfluorobutane Acid (PFBA)	375-22-4	mg/kg	0.01	ND
Perfluoropentane Acid (PFPeA)	2706-90-3	mg/kg	0.01	ND
Perfluorohexane Acid (PFHxA) and its salts*	-	mg/kg	0.01	ND
7H-Dodecanefluoroheptane Acid (7HPFHpA)	1546-95-8	mg/kg	0.01	ND
Perfluorobutane Sulfonate (PFBS) and its salts*	-	mg/kg	0.01	ND
Perfluoroheptane Acid (PFHpA)	375-85-9	mg/kg	0.01	ND
1H,1H,2H,2H-Perfluorooctanesulphonic acid (6:2 FTS)	27619-97-2	mg/kg	0.01	ND
Perfluorooctanoic acid (PFOA) and its salts*	-	mg/kg	0.01	ND
2H,2H-Perfluorodecane Acid (H2PFDA/8:2 FTCA) and its salts / derivative *	-	mg/kg	0.01	ND
Perfluorohexane Sulfonate (PFHxS) and its salts*	-	mg/kg	0.01	ND
Perfluorononane Acid (PFNA) and its salts*	-	mg/kg	0.01	ND
Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7-DMOA)	172155-07-6	mg/kg	0.01	ND
Perfluoroheptanesulfonic Acid (PFHpS) and its salts*	-	mg/kg	0.01	ND
Perfluorodecane Acid (PFDA) and its salts*	-	mg/kg	0.01	ND
2H,2H,3H,3H Perfluoroundecanoic acid (H4PFUnDA/ 8:3 FTCA)	34598-33-9	mg/kg	0.01	ND
Perfluorooctane sulfonates (PFOS) and its salts*	-	mg/kg	0.01	ND
Perfluorooctane Sulfonamide (PFOSA)	754-91-6	mg/kg	0.01	ND
N-methylperfluoro-1-octanesulfonamide(N-MeFOSA)	31506-32-8	mg/kg	0.01	ND
N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA)	4151-50-2	mg/kg	0.01	ND



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 中国・广东・广州高新技术产业开发区科学城科珠路198号 邮编: 510663



Test Report	No. CANEC230377	7 4613	Date: 14 Apr 2023	Pag	e 8 of 18
Test Item(s)		CAS NO.	<u>Unit</u>	MDL	006
2-(N-methylperfluoro-1-octanesulfon -ethanol(N-MeFOSE)	amido)	24448-09-7	mg/kg	0.01	ND
2-(N-ethylperfluoro-1-octanesulfonar-ethanol(N-EtFOSE)	mido)	1691-99-2	mg/kg	0.01	ND
Perfluoroundecanoic Acid (PFUnDA)	2058-94-8	mg/kg	0.01	ND
Perfluorododecanoic Acid (PFDoDA)) and its salts*	-	mg/kg	0.01	ND
Perfluorodecane Sulfonate (PFDS) a	and its salts*	-	mg/kg	0.01	ND
Perfluorotridecanoic Acid (PFTrDA)		72629-94-8	mg/kg	0.01	ND
Perfluorotetradecanoic Acid (PFTDA	A)	376-06-7	mg/kg	0.01	ND
2,3,3,3-tetrafluoro-2-(heptafluoroproproproproproproproproproproproprop	poxy) propionic acid	-	mg/kg	0.01	ND
N-Methylperfluoro-1-octanesulfonam (N-MeFOSAA)	nidoacetic Acid	2355-31-9	mg/kg	0.01	ND
N-Ethylperfluorooctane sulfonamidoa (N-EtFOSAA)	acetic Acid	2991-50-6	mg/kg	0.01	ND
Perfluorooctane sulfonamidoacetic A	Acid (FOSAA)	2806-24-8	mg/kg	0.01	ND
Perfluoro-nonane-sulfonic acid (PFN	IS)	68259-12-1	mg/kg	0.01	ND
Perfluorododecanesulfonic acid (PFI	DoDS)	79780-39-5	mg/kg	0.01	ND
Perfluoroundecane sulfonic acid (PF	UnDS)	749786-16-1	mg/kg	0.01	ND
bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10, ecyl) hydrogen phosphate (8:2diPAF		678-41-1	mg/kg	0.01	ND
Perfluorohexadecanoic Acid (PFHxD	DA)	67905-19-5	mg/kg	0.01	ND
Perfluorooctadecanoic Acid (PFODA	A)	16517-11-6	mg/kg	0.01	ND
Perfluoropentane sulfonic acid (PFP	eS)	2706-91-4	mg/kg	0.01	ND
Perfluorotridecane sulfonic acid (PF	TrDS)	791563-89-8	g mg/kg	0.01	ND
1H,1H,2H,2H-Perfluorohexanesulfor	nic acid (4:2 FTS)	757124-72-4	mg/kg	0.01	ND
2-Perfluorohexyl ethanoic acid (6:2 F	FTCA)	53826-12-3	mg/kg	0.01	ND
3-Perfluoropentyl propanoic acid (5:3	3 FTCA)	914637-49-3	8 mg/kg	0.01	ND
1H,1H,2H,2H-Perfluorodecanesulfor	nic acid (8:2 FTS)	39108-34-4	mg/kg	0.01	ND
Methyl perfluorooctanoate (Me-PFO	A)	376-27-2	mg/kg	0.1	ND
Ethyl perfluorooctanoate (Et-PFOA)		3108-24-5	mg/kg	0.1	ND
1H,1H,2H,2H-Perfluoro-1-decanol (8	3:2 FTOH)	678-39-7	mg/kg	0.1	ND
1H,1H,2H,2H-Perfluorodecyl acrylate	e (8:2 FTA)	27905-45-9	mg/kg	0.1	ND
1H,1H,2H,2H-Perfluorodecyl methac	crylate (8:2 FTMA)	1996-88-9	mg/kg	0.1	ND
Perfluoro-1-iodooctane (PFOI)		507-63-1	mg/kg	0.1	ND
1H,1H,2H,2H-Perfluoro-1-hexanol (4	l:2 FTOH)	2043-47-2	mg/kg	0.1	ND
1H,1H,2H,2H-Perfluoro-1-octanol (6	:2 FTOH)	647-42-7	mg/kg	0.1	ND
1H,1H,2H,2H-Perfluorooctylacrylate	(6:2 FTA)	17527-29-6	mg/kg	0.1	ND



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 中国・广东・广州高新技术产业开发区科学城科珠路198号 邮编: 510663



Test Report	No. CANEC23037	74613	Date: 14 Apr 2023	Page	9 of 18
Test Item(s)		CAS NO.	<u>Unit</u>	<u>MDL</u>	<u>006</u>
1H,1H,2H,2H-Perfluorododecylacr	ylate (10:2 FTA)	17741-60-5	mg/kg	0.1	ND
1H,1H,2H,2H-Perfluoro -1-dodeca	nol (10:2 FTOH)	865-86-1	mg/kg	0.1	ND
1-lodo-1H,1H,2H,2H-perfluorodeca	ane (8:2 FTI)	2043-53-0	mg/kg	0.1	ND
1H,1H,2H,2H-Perfluorooctyl metha	crylate (6:2 FTMA)	2144-53-8	mg/kg	0.1	ND
1H,1H,2H,2H-Perfluorodecyltrietho FTSi(OC₂H₅)₃)	oxysilane (8:2	101947-16-4	mg/kg	0.1	ND

Notes:

PFOA and its salts* including PFOA (CAS No. 335-67-1), APFO (CAS No. 3825-26-1), PFOA-Na (CAS No. 335-95-5), PFOA-K (CAS No. 2395-00-8), PFOA-Ag (CAS No. 335-93-3) and PFOA-F (CAS No. 335-66-0). The result of PFOA is used to represent PFOA and its salts.

PFOS and its salts* including PFOS (CAS No. 1763-23-1), POSF(CAS No. 307-35-7), PFOS-K (CAS No. 2795-39-3), PFOS-NH₄ (CAS No. 29081-56-9), PFOS-N($C_{10}H_{21}$)₂(CH₃)₂ (CAS No. 251099-16-8), PFOS-NH₂(C_2H_4OH)₂ (CAS No. 70225-14-8), PFOS-Li (CAS No. 29457-72-5), PFOS-N(C_2H_5)₄ (CAS No. 56773-42-3) and PFOS-Na (CAS No. 4021-47-0). The result of PFOS is used to represent PFOS and its salts

PFNA and its salts* including PFNA (CAS No. 375-95-1), PFNA-Na (CAS No. 21049-39-8) and PFNA-NH₄ (CAS No. 4149-60-4). The result of PFNA is used to represent PFNA and its salts.

PFDA and its salts* including PFDA (CAS No. 335-76-2), PFDA-Na (CAS No. 3830-45-3) and PFDA-NH₄ (CAS No. 3108-42-7). The result of PFDA is used to represent PFDA and its salts.

Perfluorododecanoic Acid (PFDoDA) and its salts* including PFDoDA (CAS No. 307-55-1) and PFDoDA-NH₄ (CAS No. 3793-74-6). The result of PFDoDA is used to represent PFDoDA and its salts.

PFDS and its salts* including PFDS (CAS No. 335-77-3), PFDS-Na (CAS No. 2806-15-7), PFDS-K (CAS No. 2806-16-8) and PFDS-NH₄ (CAS No. 67906-42-7), The result of PFDS is used to represent PFDS and its salts.

PFBS and its salts* including PFBS (CAS No. 375-73-5), PFBS-K (CAS No. 29420-49-3) and PFBS-H₂O (CAS No. 59933-66-3). The result of PFBS is used to represent PFBS and its salts.

Perfluorohexane acid (PFHxA) and its salts* including PFHxA (CAS No. 307-24-4) and APFHx (CAS No. 21615-47-4). The result of PFHxA is used to represent PFHxA and its salts.

PFHxS and its salts* including PFHxS (CAS No. 355-46-4), PFHxS-Na (CAS No. 82382-12-5) and PFHxS-K (CAS No. 3871-99-6). The result of PFHxS is used to represent PFHxS and its salts.

PFHpS and its salts* including PFHpS (CAS No. 375-92-8), PFHpS-Na (CAS No. 21934-50-9) and PFHpS-K (CAS No. 60270-55-5). The result of PFHpS is used to represent PFHpS and its salts.

HFPO-DA and its salts * including HFPO-DA (CAS No. 13252-13-6), HFPO-DA-K (CAS No. 67118-55-2), HFPO-DA-NH₄ (CAS. No. 62037-80-3) and HFPO-DA-F (CAS No. 2062-98-8). The result of HFPO-DA is used to represent HFPO-DA and its salts.

(H2PFDA/8:2 FTCA) and its salts / derivative * including H2PFDA/8:2 FTCA (CAS No. 27854-31-5) and (8:2 FTCA-P(C_4H_9)₄) (CAS No. 882489-14-7). The result of H2PFDA/8:2 FTCA is used to represent H2PFDA/8:2 FTCA and its salts / derivative.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and his document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 中国・广东・广州高新技术产业开发区科学城科珠路198号 邮编: 510663



Test Report No. CANEC2303774613 Date: 14 Apr 2023 Page 10 of 18

Remark: The sample(s) 006-007 was/were analyzed on behalf of the applicant as mixing sample in one testing. The above result(s) was/were only given as the informality value and only for reference.

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.





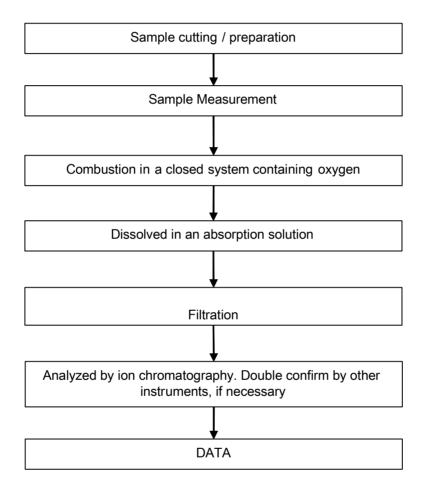
No. CANEC2303774613

Page 11 of 18

Date: 14 Apr 2023

ATTACHMENTS

Halogen Testing Flow Chart







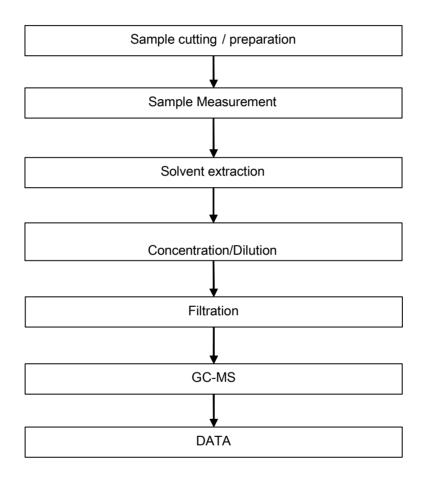
No. CANEC2303774613

Page 12 of 18

Date: 14 Apr 2023

ATTACHMENTS

PAHs Testing Flow Chart







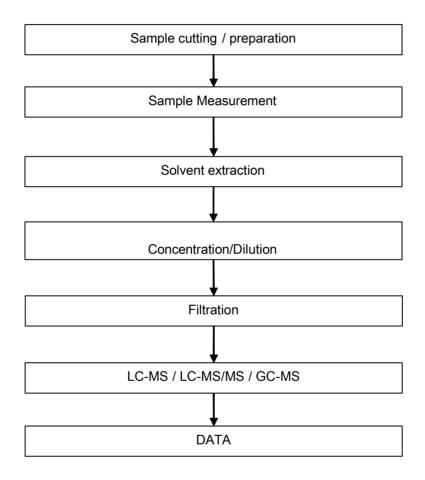
No. CANEC2303774613

Page 13 of 18

Date: 14 Apr 2023

ATTACHMENTS

PFAS Testing Flow Chart







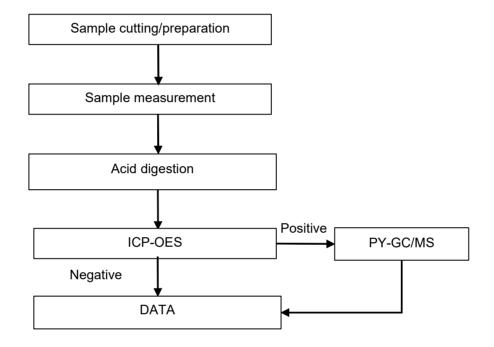
No. CANEC2303774613

Page 14 of 18

Date: 14 Apr 2023

ATTACHMENTS

Red phosphorus Testing Flow Chart







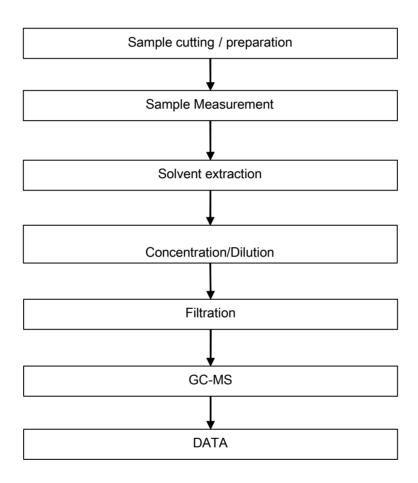
No. CANEC2303774613

Date: 14 Apr 2023

Page 15 of 18

ATTACHMENTS

Dimethyl Formamide Testing Flow Chart







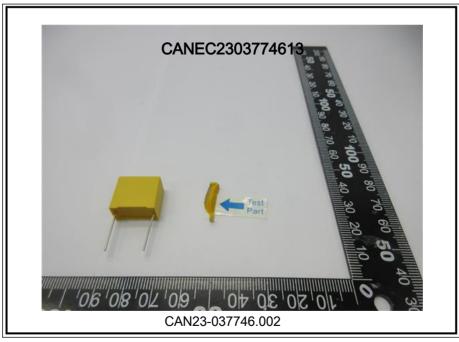
No. CANEC2303774613

Page 16 of 18

Date: 14 Apr 2023

Sample photo:









Test Report No. CANEC2303774613 Date: 14 Apr 2023 Page 17 of 18









No. CANEC2303774613







SGS authenticate the photo on original report only

*** End of Report ***



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 中国・广东・广州高新技术产业开发区科学城科珠路198号 邮编: 510663 t (86–20) 82155555 t (86–20) 82155555

www.sgsgroup.com.cn sgs.china@sgs.com