


SGS

SHIN2406004632PL01

2024 06 18

2024 06 18 ~ 2024 06 26

RoHS (DEHP) (DIBP)	2011/65/EU (PBB) (BBP)	II (PBDE)	(EU) 2015/863- (2- (DBP)
POPs (PFOA) (PBT)	(EU) 2019/1021 (TSCA)	I 6 (h)	(EU) 2020/784 - (PFOS)
AfPS GS 2019:01 PAK-		(PAHs)	



Mei Shen

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SHAPH24013272202
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		SGS ID	
SN1	001	SHA24-0132722-0001.C001	

(1) 1 mg/kg = 1 ppm = 0.0001%

(2) MDL=

(3) ND = (< MDL)

(4) "-" =

RoHS	2011/65/EU	II	(EU) 2015/863-	(PBB)
(PBDE)	(2-)	(DEHP)	(BBP)
(DBP)	(DIBP)			

IEC 62321-4:2013+AMD1:2017 IEC 62321-5:2013 IEC 62321-7-2:2017 IEC 62321-6:2015 IEC 62321-8:2017 ICP-OES/AAS b419.3 481.03 419.11 25.92 reWh/F1 9.90



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			MDL	001
(NonaBDE)	-	mg/kg	5	ND
(DecaBDE)	-	mg/kg	5	ND
(2-) (DEHP)	1000	mg/kg	50	ND
(BBP)	1000	mg/kg	50	ND
(DBP)	1000	mg/kg	50	ND
(DIBP)	1000	mg/kg	50	ND

- (1) RoHS (EU) 2015/863
- (2) IEC 62321 EN 62321
- (3) 2021 7 22 DEHP BBP DBP DIBP

US EPA 3052:1996 ICP-OES/AAS

		MDL	001
(As)	mg/kg	10	ND
(Sb)	mg/kg	10	94

EN 14582:2016 IC

		MDL	001
(F)	mg/kg	20	208
(Cl)	mg/kg	50	ND
(Br)	mg/kg	50	ND
(I)	mg/kg	50	ND

SGS ICP-OES GC-MS

	CAS No.		MDL	001
	7723-14-0	mg/kg	500	ND



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	CAS No.			MDL	001
PFOS					
(PFOS), ^	1763-23-1	-	mg/kg	0.010	ND
N- (N-EtFOSA)	4151-50-2	-	mg/kg	0.010	ND
N- (N-MeFOSA)	31506-32-8	-	mg/kg	0.010	ND
2-(N-EtFOSE)	1691-99-2	-	mg/kg	0.010	ND
2-(N-MeFOSE)	24448-09-7	-	mg/kg	0.010	ND
(PFOSA), ^	754-91-6	-	mg/kg	0.010	ND
(PFOS)	-	10	mg/kg	-	ND
PFOA,					
(PFOA), ^	335-67-1	0.025	mg/kg	0.010	ND
PFOA					
1H,1H,2H,2H- ^ (8:2 FTS),	39108-34-4	-	mg/kg	0.010	ND
(Me-PFOA)	376-27-2	-	mg/kg	0.100	ND
(Et-PFOA)	3108-24-5	-	mg/kg	0.100	ND
1H,1H,2H,2H- (8:2 FTA)	27905-45-9	-	mg/kg	0.100	ND
1H,1H,2H,2H- (8:2 FTMA)	1996-88-9	-	mg/kg	0.100	ND
(PFOI)	507-63-1	-	mg/kg	0.100	ND
2H,2H- ^ (H ₂ PFDA/8:2 FTCA),	27854-31-5	-	mg/kg	0.010	ND
1H,1H,2H,2H- -1- (8:2 FTOH)	678-39-7	-	mg/kg	0.100	ND
1- -1H,1H,2H,2H- (8:2 FTI)	2043-53-0	-	mg/kg	0.100	ND
1H,1H,2H,2H- (8:2 FTSi(OC ₂ H ₅) ₃)	101947-16-4	-	mg/kg	0.100	ND

(PFOS-Na)	4021-47-0
(PFOS-NH ₄)	29081-56-9
(PFOS-NH ₂ (C ₂ H ₄ OH) ₂)	70225-14-8
(PFOS-N (C ₂ H ₅) ₄)	56773-42-3
(PFOS-N(C ₁₀ H ₂₁) ₂ (CH ₃) ₂)	251099-16-8
(PFOS-N(C ₄ H ₉) ₄)	111873-33-7
(PFOS-F)	307-35-7
[] (PFOS-Mg)	91036-71-4
	71463-74-6
PFOSA,	
(PFOSA)	754-91-6
(1:1) (PFOSA-Li)	76752-79-9
(1:1) (PFOSA-Na)	76752-78-8
(1:1) (PFOSA-K)	76752-70-0
(1:1) (PFOSA-NH ₄)	76752-72-2
PFOA, &	
(PFOA)	335-67-1
(PFOA-Na)	335-95-5
(PFOA-K)	2395-00-8
(PFOA-Ag)	335-93-3
(PFOA-F)	335-66-0
(APFO)	3825-26-1
(PFOA-Li)	17125-58-5
(PFOA-Co)	35965-01-6
(PFOA-Cs)	17125-60-9
(3+) (PFOA-Cr(3+))	68141-02-6
- (2:1)PFOA-NH(C ₄ H ₁₀ N)	423-52-9
	45285-51-6
	33496-48-9
8:2 FTS,	
1H,1H,2H,2H- (8:2 FTS)	39108-34-4
1H,1H,2H,2H- (8:2 FTS-K)	438237-73-1
1H,1H,2H,2H- (8:2 FTS-NH ₄)	149724-40-3
1H,1H,2H,2H- (8:2 FTS-Na)	27619-96-1
H₂PFDA/8:2 FTCA,	
2H,2H- (H ₂ PFDA/8:2 FTCA)	27854-31-5
2H,2H- (8:2 FTCA-P (C ₄ H ₉) ₄)	882489-14-7
8:2diPAP,	
[2-()] (8:2diPAP)	678-41-1
[2-()] (8:2diPAP-Na)	114519-85-6
H₄PFUnDA/ 8:3 FTCA	
2H,2H,3H,3H- (H ₄ PFUnDA/ 8:3 FTCA)	34598-33-9
2H,2H,3H,3H- (H ₄ PFUnDA-K)	83310-58-1

(TSCA) 6 (h)

(PBT)

US EPA 3550C:2007

GC-MS

	CAS No.			MDL	001
(Deca-BDE) ^{Δ1}	1163-19-5		mg/kg	5	ND
(PIP 3:1) ^{Δ2}	68937-41-7		mg/kg	5	ND
2,4,6-(2,4,6-TTBP) ^{Δ3}	732-26-3	3000	mg/kg	5	ND
(HCBD)	87-68-3		mg/kg	5	ND
(PCTP)	133-49-3	10000	mg/kg	5	ND

(1)

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

(2) ^{Δ1}:

(3) ^{Δ2}:

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- PIP 3:1

- PIP 3:1

(4) ^{Δ3}:

AfPS GS 2019:01 PAK- (PAHs)

AfPS GS 2019:01 PAK

GC-MS

	CAS No.			MDL	001
(a) (BaP)	50-32-8	1	mg/kg	0.1	ND
(e) (BeP)	192-97-2	1	mg/kg	0.1	ND
(a) (BaA)	56-55-3	1	mg/kg	0.1	ND
(b) (BbF)	205-99-2	1	mg/kg	0.1	ND
(j) (BjF)	205-82-3	1	mg/kg	0.1	ND
(k) (BkF)	207-08-9	1	mg/kg	0.1	ND
(CHR)	218-01-9	1	mg/kg	0.1	ND
(a,h) (DBA)	53-70-3	1	mg/kg	0.1	ND
(g,h,i) () (BPE)	191-24-2	1	mg/kg	0.1	ND
(1,2,3-c,d) (IPY)	193-39-5	1	mg/kg	0.1	ND
(PHE)	85-91-8				

	CAS No.			MDL	001
(ANT)	120-12-7	-	mg/kg	0.1	ND
(FLT)	206-44-0	-	mg/kg	0.1	ND
4 [(PHE), (PYR), (ANT), (FLT)]	-	50	mg/kg	-	ND
(NAP)	91-20-3	10	mg/kg	0.1	ND
15	-	50	mg/kg	-	ND
	-	-	-	-	3

AfPS():

mg/kg	1	2		3	
	30 -2009/48/EC - 3 a,b	1 d 30 c		1 2 30	
		a.	b.	a.	b.
(a) (BaP)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
(e) (BeP)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
(a) (BaA)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
(b) (BbF)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
(j) (BjF)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
(k) (BkF)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
(CHR) ,mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
(a,h) (DBA)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
(g,h,i) () (BPE)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
(1,2,3-c,d) (IPY)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
(PHE) (PYR) (ANT) (FLT)	< 1	< 5	< 10	< 20	< 50
(NAP)	< 1	< 2		< 10	
15 PAH	<1	< 5	< 10	< 20	< 50

a : 14
b
c " " REACH XVII 50 ((EC) No. 1272/2013)



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d

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“ ”

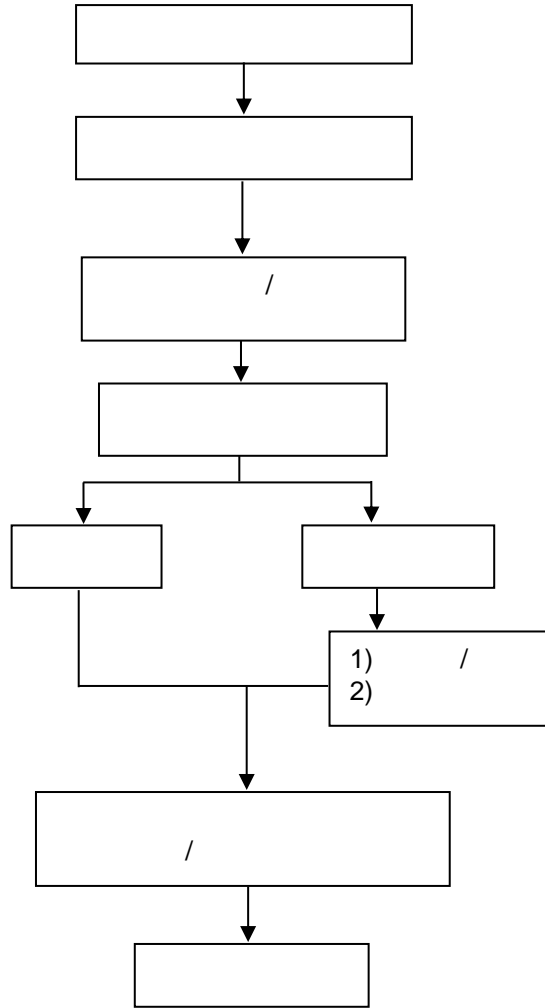
2019:01 PAK

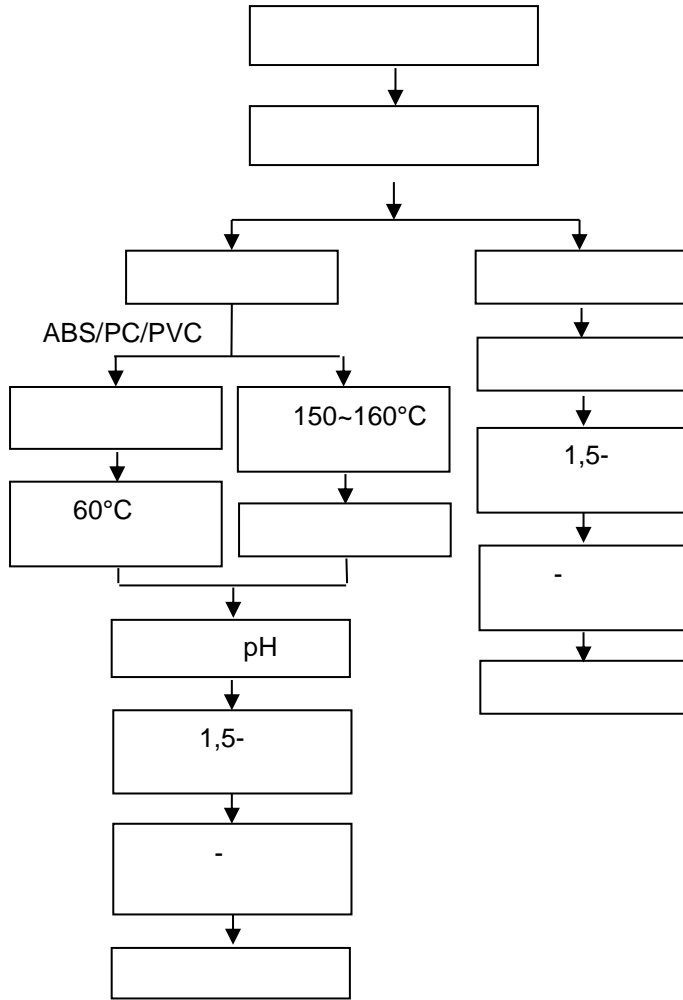
AfPS 2020 4 10
2020 7 1
ILAC-G8:09/2019

GS-MARK
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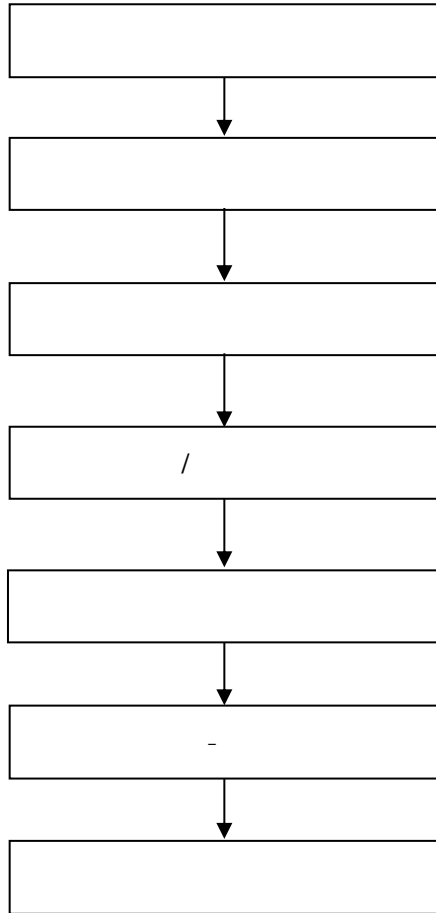
PAHs

AfPS GS

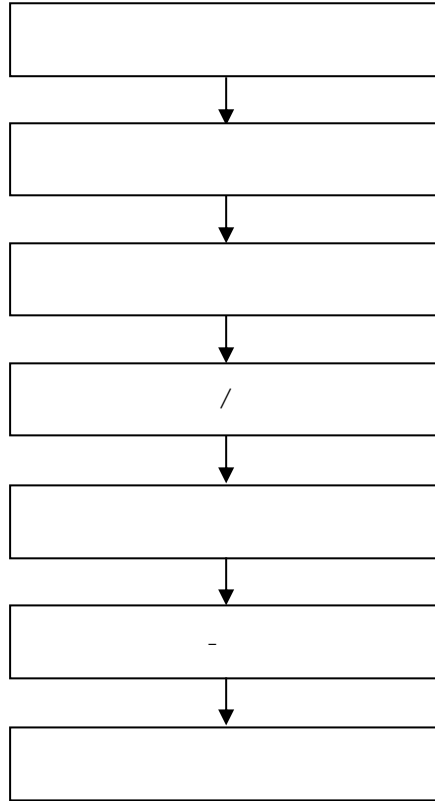




PBB/PBDE

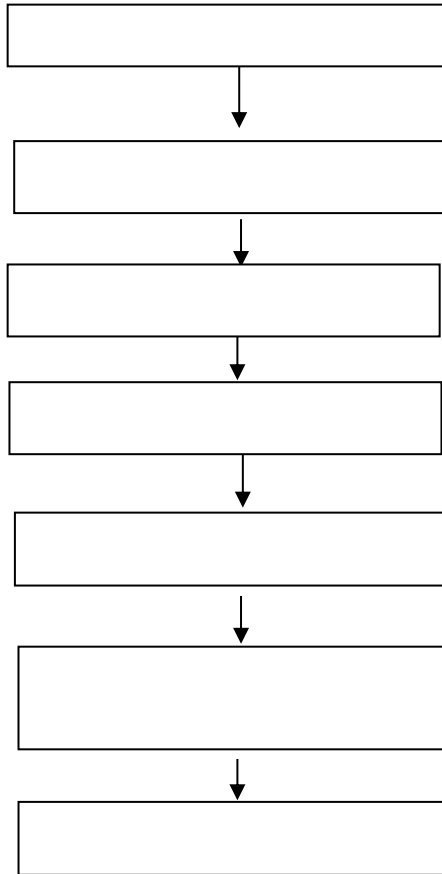


Phthalates

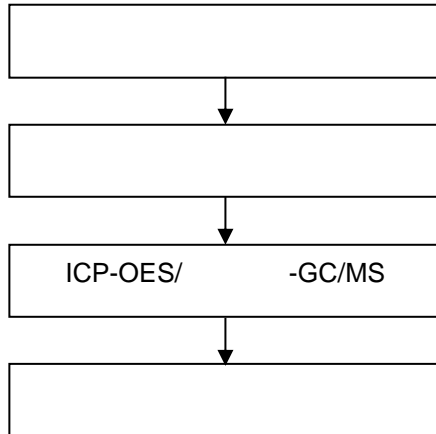


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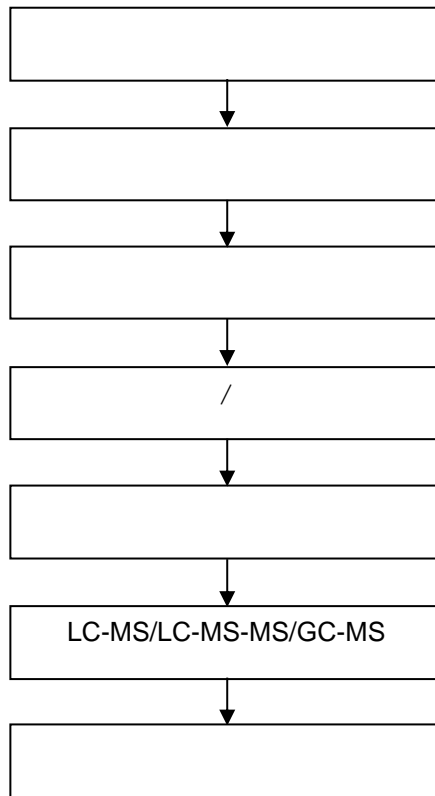
2024



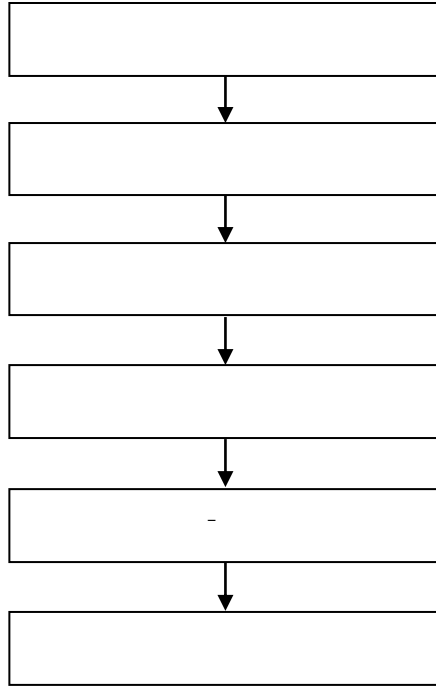
Red Phosphorus



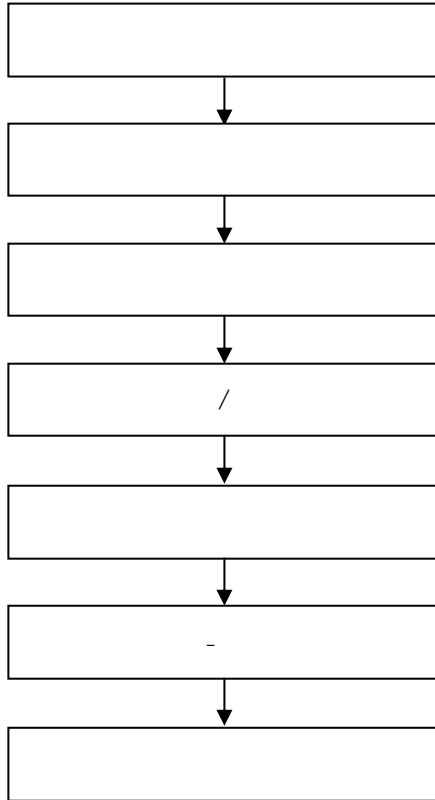
PFASs/ PFOS/PFOA



PBT



PAHs





SGS
