

Test Report No.: SHAEC25009703107 **Date:** May 12, 2025 Page 1 of 30

Client Name: Yantai Zhaojin Kanfort Precious Metals Incorporated Company Client Address: No .288 Guoda Road Zhaoyuan City ,Shandong Province China

Sample Name: Potassium gold cyanide

Lot No.: 250406

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

SGS Job No.: SUP25-001523 Sample Receiving Date: Apr 27, 2025

Testing Period: Apr 27, 2025 ~ May 09, 2025

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
ISO 8124-3:2020/Amd.1:2023 - Migration of Certain Elements	See Results
Chlorinated Paraffins	See Results
Dimethyl fumarate (DMFu)	See Results
Element(s)	See Results
Halogen	See Results
Hexabromocyclododecane (HBCDD)	See Results
Polychlorinated Biphenyls (PCBs)	See Results

Signed for and on behalf of

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Tom

Ni

Tom Ni

Approved Signatory





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Test Requirement	Conclusion
Polychlorinated Naphthalenes (PCNs)	See Results
Polychlorinated Terphenyls (PCTs)	See Results
Polyvinyl chloride (PVC)	See Results
Sulfur (S)	See Results
TBBP-A	See Results
Bisphenol-A	See Results
Organic-tin compounds	See Results
Perfluorooctanoic acid (PFOA) and its salts, Perfluorooctane sulfonic acid (PFOS) and its derivatives	See Results
Phthalates	See Results
Red Phosphorus as Phosphorus	See Results
Polycyclic Aromatic Hydrocarbons (PAHs)	See Results

Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	SHA25-0097031-0001.C001	White crystal pellet

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,

IEC 62321-6:2015 and IEC 62321-8:2017, 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	ND
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Polybromobiphenyl (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	5	ND



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Test Item(s)LimitUnit(s)MDLA1Dibrominated biphenyl (DiBB)-mg/kg5NDTribrominated biphenyl (TriBB)-mg/kg5NDTetrabrominated biphenyl (TetraBB)-mg/kg5NDPentabrominated biphenyl (PentaBB)-mg/kg5NDHexabrominated biphenyl (HexaBB)-mg/kg5NDHeptabrominated biphenyl (HeptaBB)-mg/kg5NDOctabrominated biphenyl (OctaBB)-mg/kg5NDNonabrominated biphenyl (NonaBB)-mg/kg5ND
Tribrominated biphenyl (TriBB) - mg/kg 5 ND Tetrabrominated biphenyl (TetraBB) - mg/kg 5 ND Pentabrominated biphenyl (PentaBB) - mg/kg 5 ND Hexabrominated biphenyl (HexaBB) - mg/kg 5 ND Heptabrominated biphenyl (HeptaBB) - mg/kg 5 ND Octabrominated biphenyl (OctaBB) - mg/kg 5 ND Nonabrominated biphenyl (NonaBB) - mg/kg 5 ND
Tetrabrominated biphenyl (TetraBB) - mg/kg 5 ND Pentabrominated biphenyl (PentaBB) - mg/kg 5 ND Hexabrominated biphenyl (HexaBB) - mg/kg 5 ND Heptabrominated biphenyl (HeptaBB) - mg/kg 5 ND Octabrominated biphenyl (OctaBB) - mg/kg 5 ND Nonabrominated biphenyl (NonaBB) - mg/kg 5 ND
Pentabrominated biphenyl (PentaBB) - mg/kg 5 ND Hexabrominated biphenyl (HexaBB) - mg/kg 5 ND Heptabrominated biphenyl (HeptaBB) - mg/kg 5 ND Octabrominated biphenyl (OctaBB) - mg/kg 5 ND Nonabrominated biphenyl (NonaBB) - mg/kg 5 ND
Hexabrominated biphenyl (HexaBB)-mg/kg5NDHeptabrominated biphenyl (HeptaBB)-mg/kg5NDOctabrominated biphenyl (OctaBB)-mg/kg5NDNonabrominated biphenyl (NonaBB)-mg/kg5ND
Heptabrominated biphenyl (HeptaBB)-mg/kg5NDOctabrominated biphenyl (OctaBB)-mg/kg5NDNonabrominated biphenyl (NonaBB)-mg/kg5ND
Octabrominated biphenyl (OctaBB) - mg/kg 5 ND Nonabrominated biphenyl (NonaBB) - mg/kg 5 ND
Nonabrominated biphenyl (NonaBB) - mg/kg 5 ND
Decabrominated biphenyl (DecaBB) - mg/kg 5 ND
Polybromodiphenyl ether(PBDE) 1000 mg/kg - ND
Monobrominated diphenyl ether (MonoBDE) - mg/kg 5 ND
Dibrominated diphenyl ether (DiBDE) - mg/kg 5 ND
Tribrominated diphenyl ether (TriBDE) - mg/kg 5 ND
Tetrabrominated diphenyl ether (TetraBDE) - mg/kg 5 ND
Pentabrominated diphenyl ether (PentaBDE) - mg/kg 5 ND
Hexabrominated diphenyl ether (HexaBDE) - mg/kg 5 ND
Heptabrominated diphenyl ether (HeptaBDE) - mg/kg 5 ND
Octabrominated diphenyl ether (OctaBDE) - mg/kg 5 ND
Nonabrominated diphenyl ether (NonaBDE) - mg/kg 5
Decabrominated diphenyl ether (DecaBDE) - mg/kg 5 ND
Bis(2-ethylhexyl) phthalate (DEHP) 1000 mg/kg 50 ND
Butyl benzyl 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.

ISO 8124-3:2020/Amd.1:2023 - Migration of Certain Elements

Test Method: With reference to ISO 8124-3:2020/Amd.1:2023, analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A1
Soluble Barium(Ba)	1000	mg/kg	10	ND
Soluble Selenium(Se)	500	mg/kg	10	ND

Notes:



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(1) Results shown are of the adjusted analytical results.

Chlorinated Paraffins

Test Method: With reference to US EPA 3550C:2007, analysis was performed by GC-ECD / GC-NCI-

MS/GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Middle Chain Chlorinated Paraffins(MCCP)(C14-C17)	85535-85-9	mg/kg	50	ND
Short Chain Chlorinate Paraffins(SCCP)(C10-C13)	85535-84-8	mg/kg	50	ND

Dimethyl fumarate (DMFu)

Test Method: With reference to US EPA 3550C:2007, 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

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
Cobalt(Co)	mg/kg	5	ND
Beryllium(Be)	mg/kg	5	ND
Phosphorus(P)	mg/kg	20	ND
Antimony(Sb)	mg/kg	10	ND
Antimony Trioxide(Sb ₂ O ₃) ◆	mg/kg	12	ND
Cobalt Dichloride(CoCl₂)◆	mg/kg	100	ND

Notes:

◆Sb₂O₃: Calculate from Antimony content.

◆CoCl₂: Calculate from cobalt and chloride content.

<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	ND
Chlorine(CI)	mg/kg	50	ND
Bromine(Br)	ma/ka	50	ND



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Test Item(s)	Unit(s)	MDL	A1
lodine(I)	mg/kg	50	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
Hexabromocyclododecane (HBCDD)	134237-50-6			
	/134237-51-7			
	/134237-52-8	mg/kg	20	ND
	/25637-99-4			
	/3194-55-6			

Polychlorinated Biphenyls (PCBs)

Test Method: With reference to US EPA 8082A:2007, analysis was performed by 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
Sum of PCBs	-	mg/kg	-	ND

Polychlorinated Naphthalenes (PCNs)

With reference to US EPA 8081B:2007, analysis was performed by GC-MS. **Test Method:**

Test Item(s)	CAS No.	Unit(s)	MDL	A1
1-Chlorinated Naphthalene	90-13-1	mg/kg	5	ND
2-Chlorinated Naphthalene	91-58-7	mg/kg	5	ND
1,4- Dichlorinated Naphthalene	1825-31-6	mg/kg	5	ND
1,5-Dichlorinated Naphthalene	1825-30-5	mg/kg	5	ND
1,2-Dichlorinated Naphthalene	2050-69-3	mg/kg	5	ND
1,8-Dichlorinated Naphthalene	2050-74-0	mg/kg	5	ND
1,2,3-Trichlorinated Naphthalene	50402-52-3	mg/kg	5	ND
1,2,3,4-Tetrachlorinated Naphthalene	20020-02-4	mg/kg	5	ND
1,2,3,4,6-Pentachlorinated Naphthalene	67922-26-3	mg/kg	5	ND
Octa-chlorinated Naphthalene	2234-13-1	mg/kg	5	ND

Polychlorinated Terphenyls (PCTs)



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Test Method: With reference to US EPA 8082A: 2007, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Aroclor 5432	63496-31-1	mg/kg	0.5	ND
Aroclor 5442	12642-23-8	mg/kg	0.5	ND
Aroclor 5460	11126-42-4	mg/kg	0.5	ND

Polyvinyl chloride (PVC)

Test Method: With reference to SGS in house method, analysis was performed by FTIR/HATR.

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

Notes:

(1) Negative=Undetectable, Positive=Detectable

Sulfur (S)

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

Test Item(s)	Unit(s)	MDL	A1
Sulfur(S)	mg/kg	50	ND

TBBP-A

Test Method: With reference to US EPA 3540C:1996, analysis was performed by GC-MS/LC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
TBBP-A	79-94-7	mg/kg	10	ND

Bisphenol-A

Test Method: SGS In-house method (RSTS-CHEM-239-1), analysis was performed by HPLC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Bisphenol A(BPA)	80-05-7	mg/kg	0.1	ND

Organic-tin compounds

Test Method: With reference to ISO 17353:2004, analysis was performed by GC-MS.

Test Item(s)	Unit(s)	MDL	A1
Dibutyl tin(DBT)	mg/kg	0.02	ND
Tributyl tin(TBT)	mg/kg	0.02	ND
Dioctyl tin(DOT)	mg/kg	0.02	ND
Tri-n-propyltin(TPT)	mg/kg	0.02	ND
Bis(tributyltin) oxide (TBTO) ◆	mg/kg	0.02	ND



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Notes:

(1) ◆ TBTO is back calculated based on the worst-case scenario of TBT.

Perfluorooctanoic acid (PFOA) and its salts, Perfluorooctane sulfonic acid (PFOS) and its derivatives

Test Method: Modified EN 17681-1:2022, analysis was performed by LC-MS or LC-MS/MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1	
PFOS, its salts and related compounds					
Perfluorooctane sulfonic acid (PFOS), its salts^	1763-23-1	mg/kg	0.010	ND	
PFOA, its salts					
Perfluorooctanoic acid (PFOA), its salts^	335-67-1	mg/kg	0.010	ND	

Notes:



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1. ^=Substances refer to its salts/derivative listed in below table.

Substance Name	CAS No.
PFOS, its salts & derivatives	
Perfluorooctane sulfonic acid (PFOS)	1763-23-1
Potassium Perfluorooctanesulfonate (PFOS-K)	2795-39-3
Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5
Sodium perfluorooctanesulfonate (PFOS-Na)	4021-47-0
Ammonium perfluorooctanesulfonate (PFOS-NH ₄)	29081-56-9
Perfluorooctane sulfonate diethanolamine salt (PFOS-NH ₂ (C ₂ H ₄ OH) ₂)	70225-14-8
Perfluorooctanesulfonic acid,tetraethylammonium salt (PFOS-N(C ₂ H ₅) ₄)	56773-42-3
N-decyl-N,N-dimethyldecan-1-aminium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate (PFOS-N($C_{10}H_{21}$) ₂ (CH ₃) ₂)	251099-16-8
TetrabutylAmmonium perfluorooctanesulfonate (PFOS-N(C ₄ H ₉) ₄)	111873-33-7
Perfluorooctane Sulfonyl fluoride (PFOS-F)	307-35-7
Magnesium bis(heptadecafluorooctanesulphonate) (PFOS-Mg)	91036-71-4
Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctanesulfonate	71463-74-6
Perfluorooctanesulfonate	45298-90-6
Triethylammonium perfluorooctane sulfonate (PFOS-N(C ₂ H ₅) ₃)	54439-46-2
Tetramethylammonium perfluorooctane sulfonate (PFOS-N(CH ₃) ₄)	56773-44-5
N,N,N-Tripropylpentan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-N(C_3H_7) $_3$ (C_5H_{11}))	56773-56-9
N,N-Dibutyl-N-methylbutan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-N(C_4H_9) $_3$ (CH_3))	124472-68-0
lodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with perfluoro-1-octanesulfonic acid (1:1)	213740-80-8
Diphenyl(2,4,6-trimethylphenyl)sulfonium perfluoro-1-octanesulfonate	258341-99-0
1-Hexadecylpyridinium perfluoro-1-octanesulfonate	334529-63-4
N,N,N-Triethyldecan-1-aminium heptadecafluorooctane-1-sulfonate	773895-92-4
Tetrabutylphosphonium perfluorooctane sulfonate (PFOS-P (C ₄ H ₉) ₄))	2185049-59-4
Perfluorooctanesulfonic acid diethylamine salt (PFOS-C ₄ H ₁₁ N)	2205029-08-7
heptyldimethyl{2-[(2-methylprop-2-enoyl)oxy]ethyl}azanium heptadecafluorooctane-1-sulfonate (PFOS-C ₁₅ H ₃₀ NO ₂)	1203998-97-3
Perfluorooctane sulfonic anhydride (PFOSAN)	423-92-7
PFOA, its salts & derivatives	
Perfluorooctanoic acid (PFOA)	335-67-1
Sodium perfluorooctanoate (PFOA-Na)	335-95-5
Potassium perfluorooctanoate (PFOA-K)	2395-00-8



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•	,
Silver perfluorooctanote (PFOA-Ag)	335-93-3
Perfluorooctanoyl fluoride (PFOA-F)	335-66-0
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1
Lithium perfluorooctanoate (PFOA-Li)	17125-58-5
Cobalt perfluorooctanoate (PFOA-Co)	35965-01-6
Cesium perfluorooctanoate (PFOA-Cs)	17125-60-9
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, chromium(3+) (PFOA-Cr(3+))	68141-02-6
Pentadecafluorooctanoic acidpiperazine (2/1) (PFOA-NH(C ₄ H ₁₀ N))	423-52-9
Pentadecafluorooctanoate (anion)	45285-51-6
Perfluorooctanoic Anhydride	33496-48-9
N,N,N-Triethylethanaminium perfluorooctanoate	98241-25-9
Perfluorooctanoate N,N,N-Trimethylmethanaminium	32609-65-7
Tetrapropylammonium perfluorooctanoate	277749-00-5
Potassium pentadecafluorooctanoatewater (1/1/2) (PFOA-K(H ₂ O) ₂)	98065-31-7
Perfluorooctanoic acid compd. with ethanamine (1:1) (PFOA-C ₂ H ₇ N)	1376936-03-6
Pentadecafluorooctanoic acidpyridine (1/1) (PFOA-C ₅ H ₅ N)	95658-47-2
pentadecafluorooctanoic acid- 1-phenylpiperazine(1:1) (PFOA-C ₁₀ H ₁₄ N ₂)	1514-68-7
N,N,N-Trimethyloctan-1-aminium pentadecafluorooctanoate (PFOA- $C_{11}H_{26}N$)	927835-01-6

Phthalates

Test Method: With reference to EN 14372:2004, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Dibutyl Phthalate(DBP)	84-74-2	%	0.003	ND
Benzyl Butyl Phthalate(BBP)	85-68-7	%	0.003	ND
Di-2-Ethyl Hexyl Phthalate (DEHP)	117-81-7	%	0.003	ND
Diisononyl Phthalate (DINP)	28553-12-0 /68515-48-0	%	0.010	ND
Di-n-Octyl Phthalate(DNOP)	117-84-0	%	0.003	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 /68515-49-1	%	0.010	ND
Dimethyl Phthalates (DMP)	131-11-3	%	0.003	ND
Diethyl Phthalates (DEP)	84-66-2	%	0.003	ND
Diisobutyl Phthalates (DIBP)	84-69-5	%	0.003	ND
Dipentyl Phthalate (DnPP)	131-18-0	%	0.003	ND
Bis(2-methoxyethyl)phthalate(DMEP)	117-82-8	%	0.003	ND



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Test Report No.: SHAEC25009703107 **Date:** May 12, 2025 Page 10 of 30

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Diisoheptyl phthalate (DIHP)	71888-89-6	%	0.010	ND
1,2-Benzenedicarboxylic Acid,Di-C7-11-				
Branched and Linear Alkyl	68515-42-4	%	0.010	ND
Esters(DHNUP)				
1,2-Benzenedicarboxylic Acid,Dipentyl	84777-06-0	%	0.010	ND
Ester,Branched and Linear	04777-00-0	70	0.010	טוו
Di-n-hexyl Phthalates (DnHP)	84-75-3	%	0.003	ND

Red Phosphorus as Phosphorus

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

Test Item(s)	Unit(s)	MDL	A1
Red Phosphorus as Phosphorus	mg/kg	20	ND

Polycyclic Aromatic Hydrocarbons (PAHs)

Test Method: With reference to AfPS GS 2014:01 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
Acenaphthylene(ANY)	208-96-8	mg/kg	0.1	ND
Acenaphthene(ANA)	83-32-9	mg/kg	0.1	ND
Fluorene(FLU)	86-73-7	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 Acenaphthylene, Acenaphthene,				
Fluorene, Phenanthrene, Pyrene,	-	mg/kg	-	ND
Anthracene, Fluoranthene				
Naphthalene(NAP)	91-20-3	mg/kg	0.1	ND
Sum of 18 PAHs	-	mg/kg	-	ND
Material Category	-	-	-	-

Notes:

AfPS (German commission for Product Safety) : GS PAHs requirements

Parameter Category 1	Category 2	Category 3
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•			,	-,	
	Material intended to be put in the mouth or toys with intended skin contact (longer than 30 s).	Materials not falling under category 1 with foreseeable contact to skin for longer than 30 s (long-term skin) or frequent contact.		Materials not falling under category 1 or 2 with foreseeable contact to skin for less than 30 s (short-term skin contact).	
	,	Toy under 2009/48/EC	Other products under ProdSG	Toy under 2009/ 48/EC	Other products under ProdSG
Benzo(a)pyrene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(e)pyrene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(a)anthracene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(b)fluoranthene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(j)fluoranthene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(k)fluoranthene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Chrysene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenzo(a,h)anthracen e mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(g,h,i)perylene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indeno(I,2,3-cd)pyrene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Acenaphthylene, Acenaphthene, fluorene,phenanthrene , pyrene, anthracene, fluoranthene, mg/kg	< 1 Sum	< 5 Sum	< 10 Sum	< 20 Sum	< 50 Sum
Naphthalene, mg/kg	< 1	< 2		< 10	
Sum of 18 PAHs	<1	< 5	< 10	< 20	< 50

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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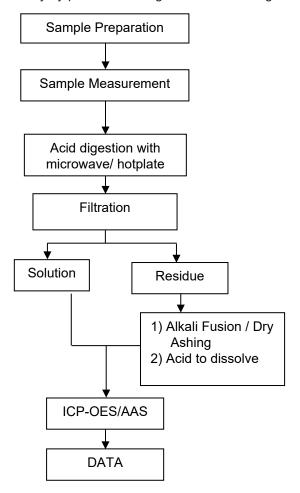
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Elements Testing Flow Chart

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



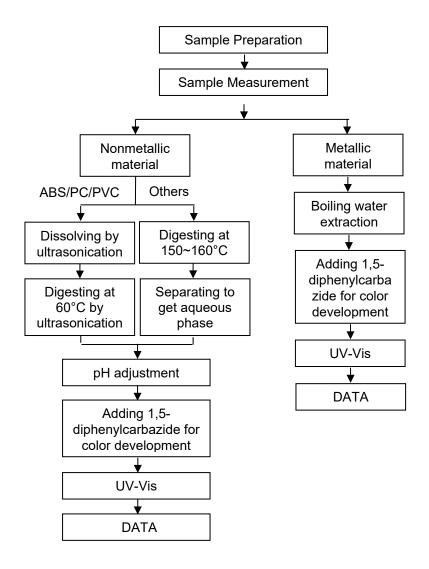


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Hexavalent Chromium (Cr(VI)) Testing Flow Chart





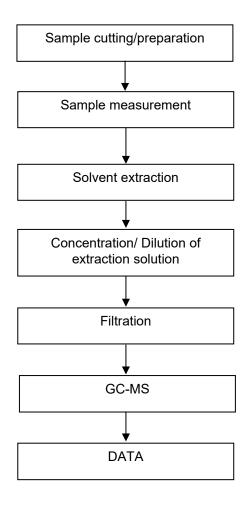
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PBB/PBDE Testing Flow Chart





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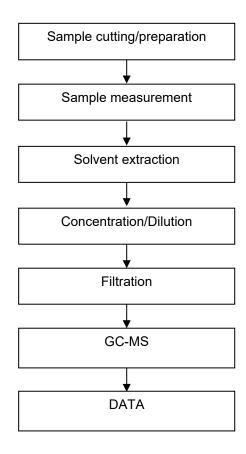
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Phthalates Testing Flow Chart





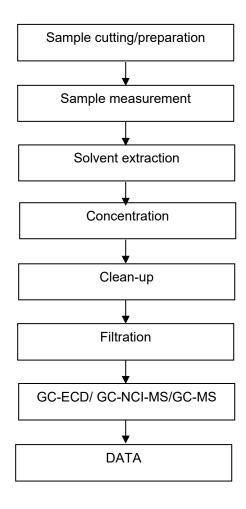
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Chlorinated Paraffin Testing Flow Chart





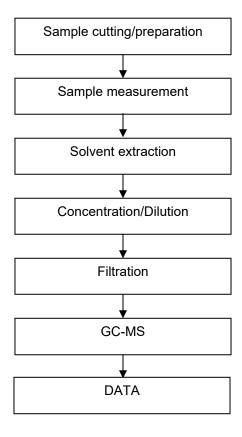
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DMF (Dimethyl fumarate) Testing Flow Chart





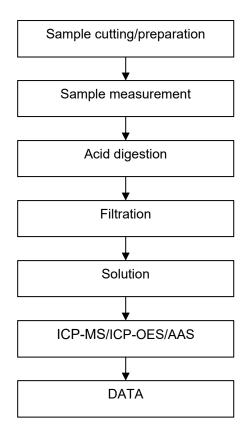
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Elements Testing Flow Chart



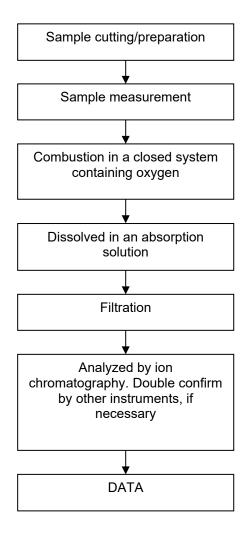


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Halogen Testing Flow Chart



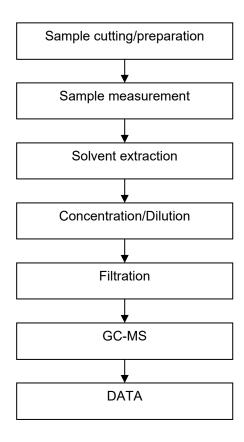


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HBCDD Testing Flow Chart





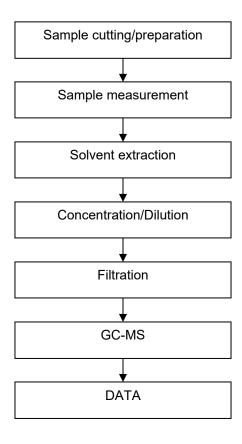
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PCB Testing Flow Chart





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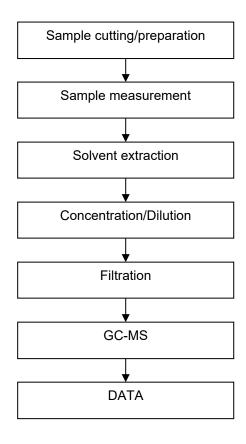
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PCN Testing Flow Chart





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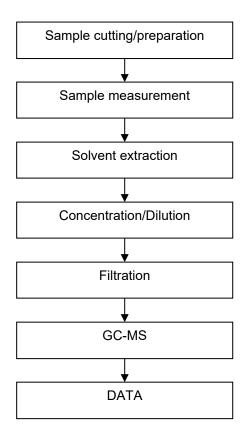
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PCT Testing Flow Chart





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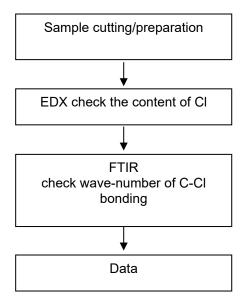
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PVC Testing Flow Chart





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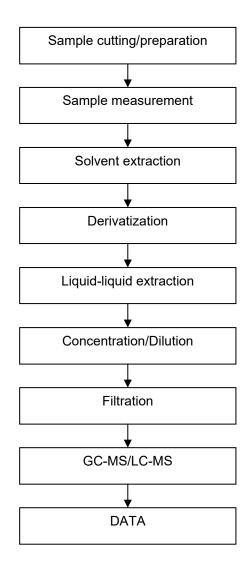
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TBBP-A Testing Flow Chart





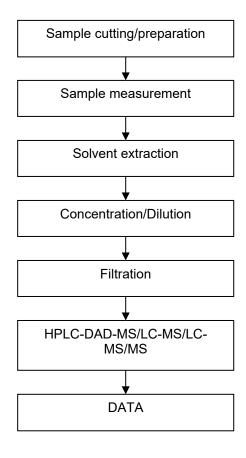
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Bisphenols Testing Flow Chart



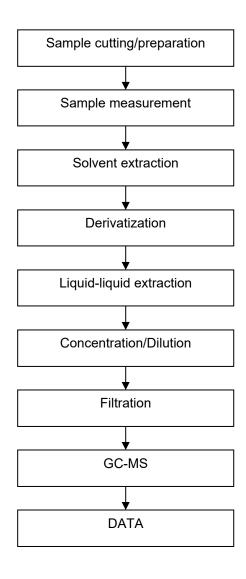


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Organotin Testing Flow Chart





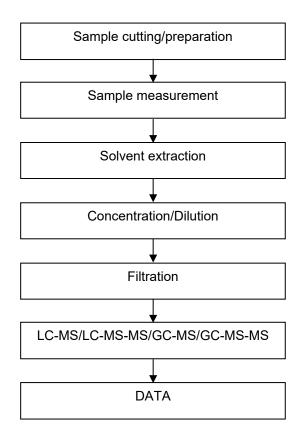
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PFASs/ PFOS/PFOA Testing Flow Chart





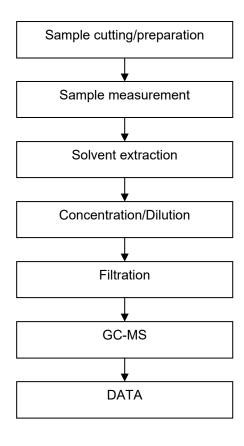
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PAHs Testing Flow Chart





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Sample Photo:



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