Test Report
No．：SHAEC23009550610
Date：Jul 13， 2023
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Client Name：TANAKA ELECTRONICS（HANGZHOU）CO．，LTD．
Client Address：F1 AREA，WEST NO． 19 STREET，NORTH NO． 10 STREET，HANGZHOU ECONOMIC\＆TECHNOLOGICAL DEVELOPMENT ZONE，HANGZHOU

Sample Name：

## Au Bonding Wire

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

SGS Job No．：
Sample Receiving Date：
Testing Period：
Test Requested：
Test Method（s）：
Test Result（s）：

SHP23－006686
Jul 05， 2023
Jul 05， 2023 ～Jul 11， 2023
Select test（s）as requested by the client．
Please refer to next page（s）．
Please refer to next page（s）．

| Test Requirement | Conclusion |
| :--- | :--- |
| EU RoHS Directive（EU）2015／863 amending Annex II to Directive <br> 2011／65／／（U－Lead，Mercury，Cadmium，Hexavalent chromium，Polybrominated <br> biphenyls（PBBs），Polybrominated diphenyl ethers（PBDEs），Bis（2－ethylhexyl） <br> phthalate（DEHP），Butyl benzyl phthalate（BBP），Dibutyl phthalate（DBP）and <br> Diisobutyl phthalate（DIBP） | Pass |
| Chlorinated Paraffins | See Results |
| Dimethyl fumarate（DMFu） | See Results |
| Element（s） | See Results |
| Halogen | See Results |
| Phthalates | See Results |
| Polychlorinated Biphenyls（PCBs） | See Results |
| Polychlorinated Naphthalenes（PCNs） | See Results |
| Polychlorinated Terphenyls（PCTs） | See Results |

Signed for and on behalf of
SGS－CSTC Standards Technical Services（Shanghai）Co．，Ltd．

## Dorathe

Dora Hu
Approved Signatory
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| Test Requirement | Conclusion |
| :--- | :--- |
| Polyvinyl chloride（PVC） | See Results |
| Red Phosphorus | See Results |
| Sulfur（S） | See Results |
| TBBP－A | See Results |
| Bisphenol A | See Results |
| Hexabromocyclododecane（HBCDD） | See Results |
| Organic－tin compounds | See Results |
| Perfluorooctane Sulfonates（PFOS）and its derivatives and Perfluorooctanoic <br> Acid（PFOA）and its salts | See Results |

## Test Result（s）：

Test Part Description：

| SN ID | Sample No． | SGS Sample ID | Description |
| :---: | :---: | :---: | :---: |
| SN1 | A2 | SHA23－0095506－0001．C002 | Golden metal wire |

Remarks：
（1） $1 \mathrm{mg} / \mathrm{kg}=1 \mathrm{ppm}=0.0001 \%$
（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（PBBs），Polybrominated diphenyl ethers （PBDEs），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 62321－7－1：2015， IEC 62321－6：2015 and IEC62321－8：2017，analysis was performed by ICP－OES，UV－Vis and GC－MS．

| Test Item（s） | Limit | Unit（s） | MDL | A2 |
| :--- | :---: | :---: | :---: | :---: |
| Cadmium（Cd） | 100 | $\mathrm{mg} / \mathrm{kg}$ | 2 | ND |
| Lead（Pb） | 1000 | $\mathrm{mg} / \mathrm{kg}$ | 2 | ND |
| Mercury（Hg） | 1000 | $\mathrm{mg} / \mathrm{kg}$ | 2 | ND |
| Hexavalent Chromium（Cr（VI））） | - | $\mu \mathrm{cm}$ | 0.10 | ND |
| Polybromobiphenyl（PBBs） | 1000 | $\mathrm{mg} / \mathrm{kg}$ | - | ND |
| Monobromobiphenyl（MonoBB） | - | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| Dibromobiphenyl（DiBB） | - | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| Tribromobiphenyl（TriBB） | - | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| Tetrabromobiphenyl（TetraBB） | - | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| Pentabromobiphenyl（PentaBB） | - | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| Hexabromobiphenyl（HexaBB） | - | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| Heptabromobiphenyl（HeptaBB） | - | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |



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| Test Item（s） | Limit | Unit（s） | MDL | A 2 |
| :--- | :---: | :---: | :---: | :---: |
| Octabromobiphenyl（OctaBB） | - | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| Nonabromobiphenyl（NonaBB） | - | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| Decabromobiphenyl（DecaBB） | - | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| Polybromodiphenyl ether（PBDEs） | 1000 | $\mathrm{mg} / \mathrm{kg}$ | - | ND |
| Monobromodiphenylether（MonoBDE） | - | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| Dibromodiphenylether（DiBDE） | - | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| Tribromodiphenylether（TriBDE） | - | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| Tetrabromodiphenylether（TetraBDE） | - | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| Pentabromodiphenylether（PentaBDE） | - | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| Hexabromodiphenylether（HexaBDE） | - | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| Heptabromodiphenylether（HeptaBDE） | - | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| Octabromodiphenylether（OctaBDE） | - | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| Nonabromodiphenylether（NonaBDE） | - | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| Decabromodiphenylether（DecaBDE） | - | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| Dibutyl Phthalate（DBP） | 1000 | $\mathrm{mg} / \mathrm{kg}$ | 50 | ND |
| Benzyl Butyl Phthalate（BBP） | 1000 | $\mathrm{mg} / \mathrm{kg}$ | 50 | ND |
| Bis－（2－ethylhexyl）Phthalate（DEHP） | 1000 | $\mathrm{mg} / \mathrm{kg}$ | 50 | ND |
| Diisobutyl Phthalate（DIBP） | 1000 | $\mathrm{mg} / \mathrm{kg}$ | 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） $\boldsymbol{\nabla}=\mathrm{a}$ ．The sample is positive for $\mathrm{Cr}(\mathrm{VI})$ if the $\mathrm{Cr}(\mathrm{VI})$ concentration is greater than $0.13 \mu \mathrm{~g} / \mathrm{cm}^{2}$ ．The sample coating is considered to contain $\mathrm{Cr}(\mathrm{VI})$
b．The sample is negative for $\mathrm{Cr}(\mathrm{VI})$ if $\mathrm{Cr}(\mathrm{VI})$ is ND （concentration less than $0.10 \mu \mathrm{~g} / \mathrm{cm}^{2}$ ）．The coating is considered a non－ $\mathrm{Cr}(\mathrm{VI})$ based coating
c．The result between $0.10 \mu \mathrm{~g} / \mathrm{cm}^{2}$ and $0.13 \mu \mathrm{~g} / \mathrm{cm}^{2}$ is considered to be inconclusive－unavoidable coating variations may influence the determination．
Information on storage conditions and production date of the tested sample is unavailable and thus $\mathrm{Cr}(\mathrm{VI})$ results represent status of the sample at the time of testing．

## 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 | A2 |
| :--- | :---: | :---: | :---: | :---: |
| Middle Chain Chlorinated <br> Paraffins（MCCP）（C14－C17） | $85535-85-9$ | $\mathrm{mg} / \mathrm{kg}$ | 50 | ND |
| Short Chain Chlorinate <br> Paraffins（SCCP）（C10－C13） | $85535-84-8$ | $\mathrm{mg} / \mathrm{kg}$ | 50 | ND |

## Dimethyl fumarate（DMFu）

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


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| Test Item（s） | CAS No． | Unit（s） | MDL | A2 |
| :--- | :---: | :---: | :---: | :---: |
| Dimethyl Fumarate（DMFu） | $624-49-7$ | $\mathrm{mg} / \mathrm{kg}$ | 0.1 | ND |

## Element（s）

Test Method：With reference to US EPA 3050B：1996，analysis was performed by ICP－OES／AAS．

| Test Item（s） | Unit（s） | MDL | A2 |
| :--- | :---: | :---: | :---: |
| Arsenic（As） | $\mathrm{mg} / \mathrm{kg}$ | 10 | ND |
| Antimony（Sb） | $\mathrm{mg} / \mathrm{kg}$ | 10 | ND |
| Tin（Sn） | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| Antimony Trioxide $\left(\mathrm{Sb}_{2} \mathrm{O}_{3}\right)$ | $\mathrm{mg} / \mathrm{kg}$ | 12 | ND |
| Diarsenic Pentaoxide（ $\left.\mathrm{As}_{2} \mathrm{O}_{5}\right)$ | $\mathrm{mg} / \mathrm{kg}$ | 10 | ND |
| Diarsenic Trioxide $\left(\mathrm{As}_{2} \mathrm{O}_{3}\right) ~$ | $\mathrm{mg} / \mathrm{kg}$ | 10 | ND |

## Notes：

（1）Calculated concentration of $\mathrm{Sb}_{2} \mathrm{O}_{3}$ is based on the identified Sb
－Calculated concentration of diarsenic pentaoxide and diarsenic trioxide are based on the identified arsenic

## Halogen

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

| Test Item（s） | Unit（s） | MDL | A2 |
| :--- | :---: | :---: | :---: |
| Fluorine（ F ） | $\mathrm{mg} / \mathrm{kg}$ | 20 | ND |
| Chlorine（Cl） | $\mathrm{mg} / \mathrm{kg}$ | 50 | ND |
| Bromine（Br） | $\mathrm{mg} / \mathrm{kg}$ | 50 | ND |
| lodine（I） | $\mathrm{mg} / \mathrm{kg}$ | 50 | ND |

## Phthalates

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

| Test Item（s） | CAS No． | Unit（s） | MDL | A2 |
| :--- | :---: | :---: | :---: | :---: |
| Diisononyl Phthalate（DINP） | $28553-12-0$ <br> $168515-48-0$ | $\%$ | 0.010 | ND |
| Di－n－Octyl Phthalate（DNOP） | $117-84-0$ | $\%$ | 0.003 | ND |
| Diisodecyl Phthalate（DIDP） | $26761-40-0$ <br> $/ 68515-49-1$ | $\%$ | 0.010 | ND |
| Dipentyl Phthalate（DnPP） | $131-18-0$ | $\%$ | 0.003 | ND |
| Di－n－Hexyl Phthalate（DnHP） | $84-75-3$ | $\%$ | 0.003 | ND |
| Bis（2－methoxyethyl）phthalate（DMEP） | $117-82-8$ | $\%$ | 0.003 | ND |
| 1，2－Benzenedicarboxylic Acid，di－C6－8－ <br> branched alkyl esters，C7－rich（DIHP） | $71888-89-6$ | $\%$ | 0.010 | ND |



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| Test Item(s) | CAS No. | Unit(s) | MDL | A2 |
| :--- | :---: | :---: | :---: | :---: |
| $1,2-B e n z e n e d i c a r b o x y l i c ~ A c i d, D i-C 7-11-~$ <br> Branched and Linear Alkyl <br> Esters(DHNUP) | $68515-42-4$ | $\%$ | 0.010 | ND |

## 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 | A2 |
| :--- | :---: | :---: | :---: | :---: |
| $2,4,4^{\prime}-$ Trichlorobiphenyl (PCB28) | $7012-37-5$ | $\mathrm{mg} / \mathrm{kg}$ | 0.5 | ND |
| $2,2^{\prime}, 5,5^{\prime}-$ Tetrachlorobiphenyl (PCB52) | $35693-99-3$ | $\mathrm{mg} / \mathrm{kg}$ | 0.5 | ND |
| $2,2^{\prime}, 4,5,5^{\prime}-$ Pentachlorobiphenyl <br> (PCB101) | $37680-73-2$ | $\mathrm{mg} / \mathrm{kg}$ | 0.5 | ND |
| $2,3^{\prime}, 4,4^{\prime}, 5-P e n t a c h l o r o b i p h e n y l ~$ <br> (PCB118) | $31508-00-6$ | $\mathrm{mg} / \mathrm{kg}$ | 0.5 | ND |
| $2,2^{\prime}, 3,4,4^{\prime}, 5^{\prime}-H e x a c h l o r o b i p h e n y l ~$ <br> (PCB138) | $35065-28-2$ | $\mathrm{mg} / \mathrm{kg}$ | 0.5 | ND |
| $2,2^{\prime}, 4,4^{\prime}, 5,5 '-H e x a c h l o r o b i p h e n y l ~$ <br> (PCB153) | $35065-27-1$ | $\mathrm{mg} / \mathrm{kg}$ | 0.5 | ND |
| $2,2^{\prime}, 3,4,4^{\prime}, 5,5^{\prime}-$ Heptachlorobiphenyl <br> (PCB180) | $35065-29-3$ | $\mathrm{mg} / \mathrm{kg}$ | 0.5 | ND |
| Sum of PCBs | - | $\mathrm{mg} / \mathrm{kg}$ | - | ND |

## Polychlorinated Naphthalenes (PCNs)

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

| Test Item(s) | CAS No. | Unit(s) | MDL | A2 |
| :--- | :---: | :---: | :---: | :---: |
| 1-Chlorinated Naphthalene | $90-13-1$ | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| 2-Chlorinated Naphthalene | $91-58-7$ | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| 1,4- Dichlorinated Naphthalene | $1825-31-6$ | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| 1,5-Dichlorinated Naphthalene | $1825-30-5$ | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| 1,2-Dichlorinated Naphthalene | $2050-69-3$ | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| 1,8-Dichlorinated Naphthalene | $2050-74-0$ | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| 1,2,3-Trichlorinated Naphthalene | $50402-52-3$ | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| 1,2,3,4-Tetrachlorinated Naphthalene | $20020-02-4$ | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| 1,2,3,4,6-Pentachlorinated Naphthalene | $67922-26-3$ | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |
| Octa-chlorinated Naphthalene | $2234-13-1$ | $\mathrm{mg} / \mathrm{kg}$ | 5 | ND |

## Polychlorinated Terphenyls (PCTs)

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

| Test Item(s) | CAS No. | Unit(s) | MDL | A2 |
| :--- | :---: | :---: | :---: | :---: |
| Aroclor 5432 | $63496-31-1$ | $\mathrm{mg} / \mathrm{kg}$ | 0.5 | ND |
| Aroclor 5442 | $12642-23-8$ | $\mathrm{mg} / \mathrm{kg}$ | 0.5 | ND |



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| Test Item（s） | CAS No． | Unit（s） | MDL | A2 |
| :--- | :---: | :---: | :---: | :---: |
| Aroclor 5460 | $11126-42-4$ | $\mathrm{mg} / \mathrm{kg}$ | 0.5 | ND |

## Polyvinyl chloride（PVC）

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

| Test Item（s） | A2 |
| :--- | :---: |
| Polyvinyl chloride（PVC） | Negative |

## Notes：

（1）Negative＝Undetectable，Positive＝Detectable

## Red Phosphorus

Test Method：With reference to SGS In house method，analysis was performed by ICP－OES and Pyrolysis－GC－MS．

| Test Item（s） | CAS No． | Unit（s） | MDL | A2 |
| :--- | :---: | :---: | :---: | :---: |
| Red Phosphorus | $7723-14-0$ | $\mathrm{mg} / \mathrm{kg}$ | 500 | ND |

## Notes：

（1）The testing result is based on the worst－case scenario，and confirmed by Pyrolysis－GC－MS．

## Sulfur（S）

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

| Test Item（s） | Unit（s） | MDL | A2 |
| :--- | :---: | :---: | :---: |
| Sulfur（S） | $\mathrm{mg} / \mathrm{kg}$ | 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 | A2 |
| :--- | :---: | :---: | :---: | :---: |
| TBBP－A | $79-94-7$ | $\mathrm{mg} / \mathrm{kg}$ | 10 | ND |

## Bisphenol A

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

| Test Item（s） | CAS No． | Unit（s） | MDL | A2 |
| :--- | :---: | :---: | :---: | :---: |
| Bisphenol A（BPA） | $80-05-7$ | $\mathrm{mg} / \mathrm{kg}$ | 1.0 | ND |



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## Hexabromocyclododecane（HBCDD）

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

| Test Item（s） | CAS No． | Unit（s） | MDL | A2 |
| :--- | :---: | :---: | :---: | :---: |
|  | $134237-50-6$ |  |  |  |
| Hexabromocyclododecane（HBCDD） | $/ 134237-51-7$ |  |  |  |
|  | $/ 134237-52-8$ | $\mathrm{mg} / \mathrm{kg}$ | 10 | ND |
|  | $/ 25637-99-4$ |  |  |  |

## Organic－tin compounds

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

| Test Item（s） | Unit（s） | MDL | A2 |
| :--- | :---: | :---: | :---: |
| Dibutyl tin（DBT） | $\mathrm{mg} / \mathrm{kg}$ | 0.02 | ND |
| Tributyl tin（TBT） | $\mathrm{mg} / \mathrm{kg}$ | 0.02 | ND |
| Dioctyl tin（DOT） | $\mathrm{mg} / \mathrm{kg}$ | 0.02 | ND |
| Tri－n－propyltin（TPT） | $\mathrm{mg} / \mathrm{kg}$ | 0.02 | ND |
| Bis（tributyltin）oxide（TBTO） | $\mathrm{mg} / \mathrm{kg}$ | 0.02 | ND |

## Notes：

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

## Perfluorooctane Sulfonates（PFOS）and its derivatives and Perfluorooctanoic Acid（PFOA）and its salts

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

| Test Item（s） | CAS No． | Unit（s） | MDL | A2 |
| :--- | :---: | :---: | :---: | :---: |
| PFOS and its derivatives | - | $\mathrm{mg} / \mathrm{kg}$ | - | ND |
| Perfluorooctane Sulfonates（PFOS）and <br> its salts＊ | - | $\mathrm{mg} / \mathrm{kg}$ | 0.010 | ND |
| N－ethylperfluoro－1－octanesulfonamide <br> （N－EtFOSA） | $4151-50-2$ | $\mathrm{mg} / \mathrm{kg}$ | 0.010 | ND |
| N－methylperfluoro－1－octanesulfonamide <br> （N－MeFOSA） | $31506-32-8$ | $\mathrm{mg} / \mathrm{kg}$ | 0.010 | ND |
| 2－（N－ethylperfluoro－1－ <br> octanesulfonamido）－ethanol（N－ <br> EtFOSE） | $1691-99-2$ | $\mathrm{mg} / \mathrm{kg}$ | 0.010 | ND |
| 2－（N－methylperfluoro－1－ <br> octanesulfonamido）－ethanol（N－ <br> MeFOSE） | $24448-09-7$ | $\mathrm{mg} / \mathrm{kg}$ | 0.010 | ND |
| Perfluorooctane Sulfonamide（PFOSA） | $754-91-6$ | $\mathrm{mg} / \mathrm{kg}$ | 0.010 | ND |



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Attention：To check the authenticity of testing／inspectiod．
${ }^{3}{ }^{\text {d }}$ Buiding N ． 890 Yischeck Qsgs．com中国•上海•徐汇区宜山路889号3号楼 邮编： $200233 \quad \mathrm{tHL}(86-21) 61402594 \mathrm{fHL}(86-21) 61156899 \quad$ e sgs．china＠sgs．com

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| Test Item（s） | CAS No． | Unit（s） | MDL | A2 |
| :--- | :---: | :---: | :---: | :---: |
| Perfluorooctanoic Acid（PFOA）and its <br> salts $^{*}$ | - | $\mathrm{mg} / \mathrm{kg}$ | 0.010 | ND |

## Notes：

（1）Perfluorooctanoic acid（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．
（2）Perfluorooctane sulfonates（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（ $\left.\mathrm{C}_{10} \mathrm{H}_{21}\right)_{2}\left(\mathrm{CH}_{3}\right)_{2}$（CAS No．251099－16－8），PFOS－NH2 $\left(\mathrm{C}_{2} \mathrm{H}_{4} \mathrm{OH}\right)_{2}$（ CAS No．70225－14－8），PFOS－Li（CAS No．29457－72－5），PFOS－ $\mathrm{N}\left(\mathrm{C}_{2} \mathrm{H}_{5}\right) 4$（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．

Results \＆photo（s）of this report refer to test report SHAEC23009550605．
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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## 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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## PBBs／PBDEs Testing Flow Chart



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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


## Halogen Testing Flow Chart



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## PCB Testing Flow Chart



## PCN Testing Flow Chart



## PCT Testing Flow Chart



## PVC Testing Flow Chart



Red Phosphorus Testing Flow Chart


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TBBP－A Testing Flow Chart


## BPA Testing Flow Chart



HBCDD Testing Flow Chart


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Organotin Testing Flow Chart


## PFASs／PFOS／PFOA Testing Flow Chart



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## Sample Photo：



SGS authenticate the photo on original report only
＊＊＊End of Report＊＊＊


