

Test Report

 No. F690101/LF-CTSAYGU26-01035

Issued Date : 2026. 01. 22

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POONGSAN CORPORATION

94 Sanam-ro, Onsan-eup
Ulju-gun, Ulsan
Korea



The following sample(s) was/were submitted and identified by/on behalf of the client as:-

SGS File No. : AYGU26-01035
Product Name : C19210
Item No./Part No. : P90
Client Reference Data : PMC90
Received Date : 2026. 01. 07
Test Period : 2026. 01. 07 to 2026. 01. 22
Report Comments : By the applicant's request, item No.s/part No.s & client reference information are stated/added on report.
Conclusion : Based on the performed tests on selected part of submitted samples, the results of Cadmium, Lead, Mercury, 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) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.
Test Results : For further details, please refer to following page(s)

SGS Korea Co., Ltd.
/ Busan Branch



Taehee Kang / Technical Manager

The test results of this test report are only limited to samples and sample names provided by the client and do not guarantee the quality of all products of the client. This test report shall not be used for public relation, advertisement, lawsuit and shall not be used by excerpts from it. This test report can be checked through the <http://rohs.kr.sgs.com/checkreport/main>. This test report is not related to KS Q ISO/IEC 17025 and Korea Laboratory Accreditation Scheme.

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MQP-108/001-F12 (01)

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Sample No. : AYGU26-01035.001

Sample Description : C19210

Item No./Part No. : P90

Materials : N/A

Heavy Metals

| Test Items | Unit | Test Method | MDL | Results |
|-------------------------------|--------------------|--|-----|---------|
| Cadmium (Cd) | mg/kg | With reference to IEC 62321-5 : 2013, by ICP-OES | 0.5 | N.D. |
| Lead (Pb) | mg/kg | With reference to IEC 62321-5 : 2013, by ICP-OES | 5 | 7.29 |
| Mercury (Hg) | mg/kg | With reference to IEC 62321-4 : 2013+A1 : 2017, by ICP-OES | 2 | N.D. |
| Hexavalent Chromium (Cr VI)++ | µg/cm ² | With reference to IEC 62321-7-1 : 2015, by UV-Vis | 0.1 | N.D. |

Total Metals

| Test Items | Unit | Test Method | MDL | Results |
|----------------|-------|---|-----|---------|
| Arsenic (As) | mg/kg | With reference to EPA 3052 : 1996, EPA 6010D : 2018, by ICP-OES | 10 | N.D. |
| Beryllium (Be) | mg/kg | With reference to EPA 3052 : 1996, EPA 6010D : 2018, by ICP-OES | 5 | N.D. |
| Antimony (Sb) | mg/kg | With reference to EPA 3052 : 1996, EPA 6010D : 2018, by ICP-OES | 10 | N.D. |

Flame Retardants-PBBs/PBDEs

| Test Items | Unit | Test Method | MDL | Results |
|-------------------------|-------|--|-----|---------|
| Monobromobiphenyl | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5 | N.D. |
| Dibromobiphenyl | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5 | N.D. |
| Tribromobiphenyl | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5 | N.D. |
| Tetrabromobiphenyl | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5 | N.D. |
| Pentabromobiphenyl | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5 | N.D. |
| Hexabromobiphenyl | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5 | N.D. |
| Heptabromobiphenyl | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5 | N.D. |
| Octabromobiphenyl | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5 | N.D. |
| Nonabromobiphenyl | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5 | N.D. |
| Decabromobiphenyl | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5 | N.D. |
| Monobromodiphenyl ether | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5 | N.D. |

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Sample No. : AYGU26-01035.001

Sample Description : C19210

Item No./Part No. : P90

Materials : N/A

Flame Retardants-PBBs/PBDEs

| Test Items | Unit | Test Method | MDL | Results |
|--------------------------|-------|--|-----|---------|
| Dibromodiphenyl ether | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5 | N.D. |
| Tribromodiphenyl ether | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5 | N.D. |
| Tetrabromodiphenyl ether | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5 | N.D. |
| Pentabromodiphenyl ether | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5 | N.D. |
| Hexabromodiphenyl ether | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5 | N.D. |
| Heptabromodiphenyl ether | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5 | N.D. |
| Octabromodiphenyl ether | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5 | N.D. |
| Nonabromodiphenyl ether | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5 | N.D. |
| Decabromodiphenyl ether | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5 | N.D. |

Phthalates

| Test Items | Unit | Test Method | MDL | Results |
|---|-------|--|-----|---------|
| Di-(2-ethylhexyl) phthalate (DEHP) | mg/kg | With reference to IEC 62321-8 : 2017, by GC-MS | 50 | N.D. |
| Di-butyl phthalate (DBP) | mg/kg | With reference to IEC 62321-8 : 2017, by GC-MS | 50 | N.D. |
| Benzyl butyl phthalate (BBP) | mg/kg | With reference to IEC 62321-8 : 2017, by GC-MS | 50 | N.D. |
| Di-isobutyl phthalate (DIBP) | mg/kg | With reference to IEC 62321-8 : 2017, by GC-MS | 50 | N.D. |
| [di(C6-C8 alkyl)phthalate] branched (DIHP) | mg/kg | With reference to IEC 62321-8 : 2017, by GC-MS | 50 | N.D. |
| [di(C7-C11 alkyl)phthalate] linear and branched (DHNUP) | mg/kg | With reference to IEC 62321-8 : 2017, by GC-MS | 50 | N.D. |
| Bis(2-methoxyethyl) phthalate (BMP, BMEP, DMEP) | mg/kg | With reference to IEC 62321-8 : 2017, by GC-MS | 50 | N.D. |
| Di-isononyl phthalate (DINP) | mg/kg | With reference to IEC 62321-8 : 2017, by GC-MS | 50 | N.D. |
| Di-isodecyl phthalate (DIDP) | mg/kg | With reference to IEC 62321-8 : 2017, by GC-MS | 50 | N.D. |
| Di-n-octyl phthalate (DNOP) | mg/kg | With reference to IEC 62321-8 : 2017, by GC-MS | 50 | N.D. |
| Di-n-hexyl phthalate (DNHP) | mg/kg | With reference to IEC 62321-8 : 2017, by GC-MS | 50 | N.D. |

Halogen Contents

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Sample No. : AYGU26-01035.001

Sample Description : C19210

Item No./Part No. : P90

Materials : N/A

Halogen Contents

| Test Items | Unit | Test Method | MDL | Results |
|--------------|-------|--|-----|---------|
| Bromine(Br) | mg/kg | With reference to EN 14582 : 2016, by IC | 30 | N.D. |
| Chlorine(Cl) | mg/kg | With reference to EN 14582 : 2016, by IC | 30 | N.D. |
| Fluorine(F) | mg/kg | With reference to EN 14582 : 2016, by IC | 30 | N.D. |
| Iodine(I) | mg/kg | With reference to EN 14582 : 2016, by IC | 50 | N.D. |

PFAS (Per-and polyfluoroalkyl substances)

| Test Items | Unit | Test Method | MDL | Results |
|-------------------------------------|-------|---|-----|---------|
| Perfluorooctanoic Acid (PFOA) | µg/kg | With reference to EN 17681-1:2025, HPLC/MS/MS | 10 | N.D. |
| Perfluorooctanesulfonic Acid (PFOS) | µg/kg | With reference to EN 17681-1:2025, HPLC/MS/MS | 10 | N.D. |

Flame Retardants

| Test Items | Unit | Test Method | MDL | Results |
|--------------------------------------|-------|---|-----|---------|
| Hexabromocyclododecane (HBCDD, HBCD) | mg/kg | With reference to EPA 3540C : 1996, EPA 3550C : 2007 by GC-MS | 5 | N.D. |

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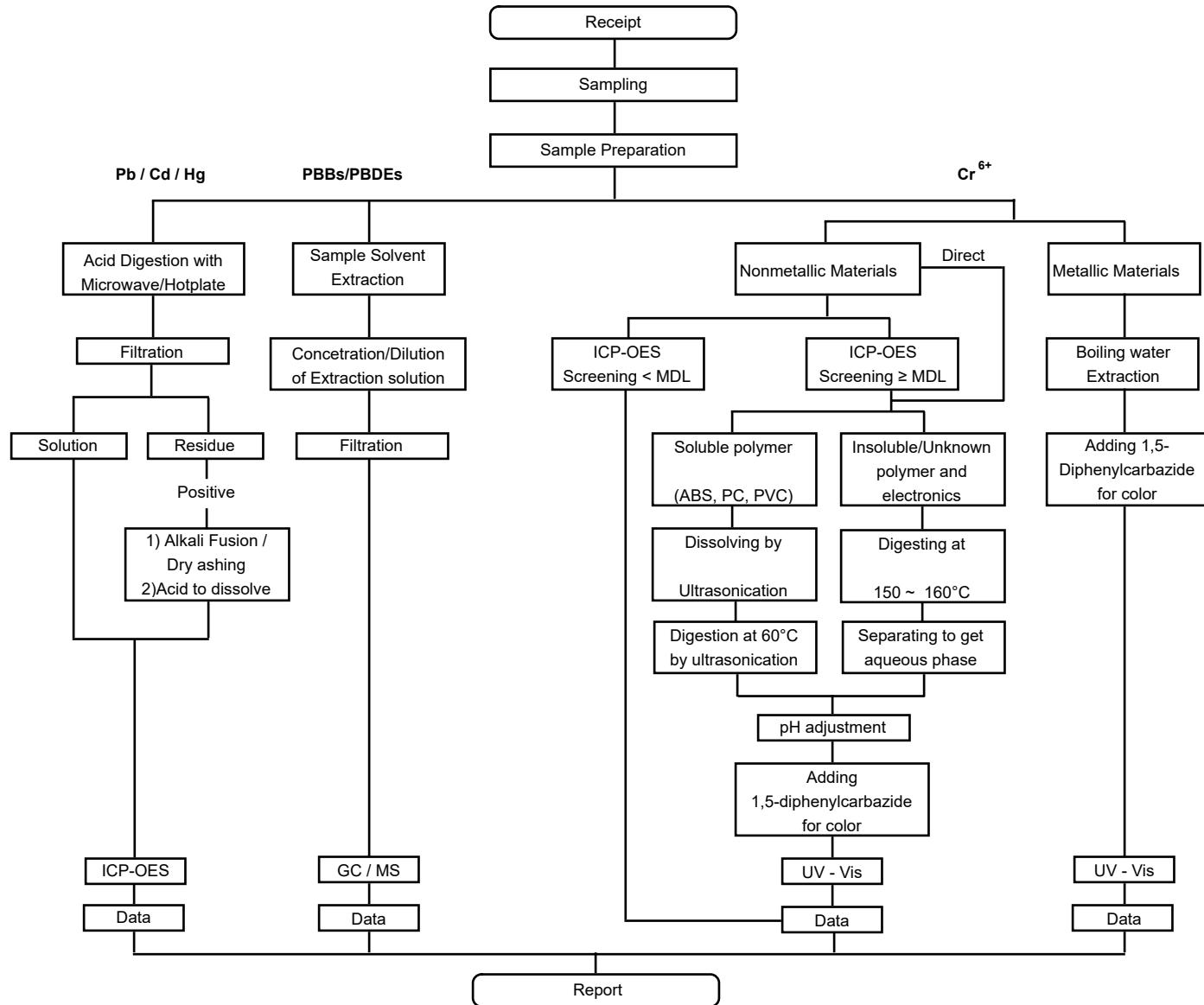
Issued Date : 2026. 01. 22

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NOTE: (1) N.D. = Not detected. (<MDL)
(2) mg/kg = ppm, ug/kg = ppb, mg/L = ppm
(3) MDL = Method Detection Limit
(4) - = No regulation
(5) ** = Qualitative analysis (No Unit)
(6) Negative = Undetectable / Positive = Detectable
(7) + = a. The result of Hexavalent Chromium (Cr(VI)) is "ND" as the result of Chromium (Cr) is "ND", and confirmation test of Hexavalent Chromium (Cr(VI)) is not required.
b. If the content of Total Chromium (Cr) is greater than the MDL of Hexavalent Chromium (Cr(VI)), it is the result of hexavalent Chromium by UV-VIS.
(8) ++= a. The sample is positive for Cr VI if the Cr VI concentration is greater than 0.13 ug/cm².
The sample coating is considered to contain Cr VI.
b. The sample is negative for Cr VI if Cr VI is ND(concentration less than 0.10 ug/cm²).
The coating is considered a non-Cr VI based coating.
c. The result between 0.10 ug/cm² and 0.13 ug/cm² is considered to be inconclusive – unavoidable coating variations may influence the determination.

Picture of Sample as Received:**AYGU26-01035.001**

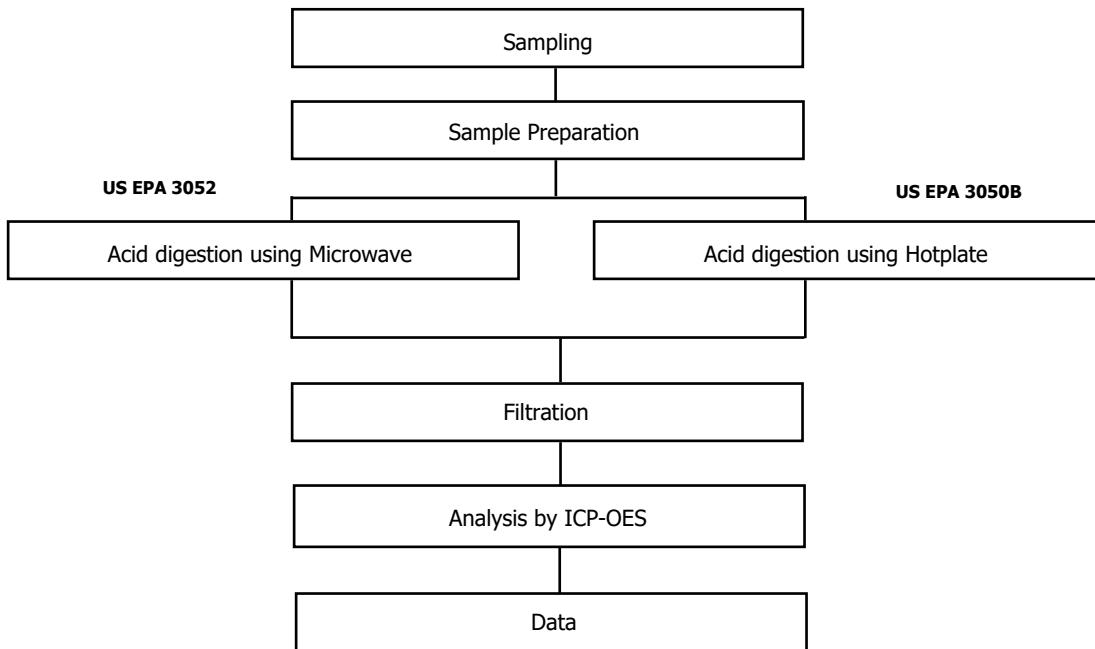
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Flow Chart for RoHS Pb / Cd / Hg / Cr⁶⁺ / PBBs&PBDEs Test


The samples were dissolved totally at the acid digestion step of the above flow chart for Cd, Pb, Hg.

- Technician : Gihwan Kim / Choah Jeong / Junkwon Park / Sudong Jo
- Supervisor : Taehee Kang

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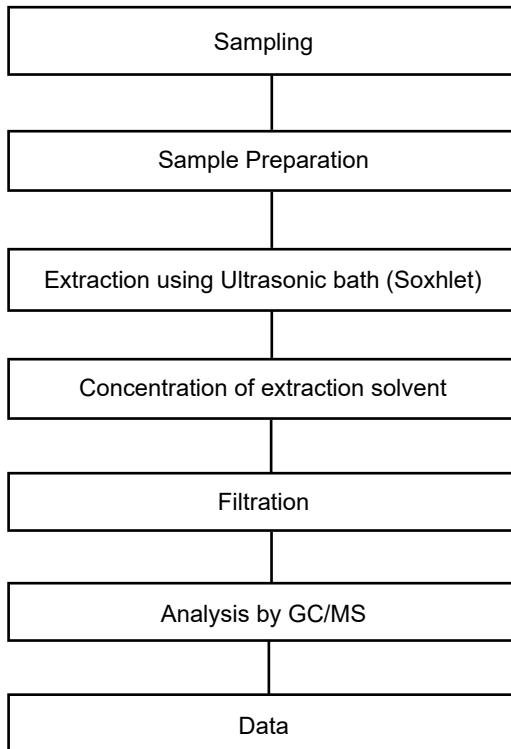
Flow Chart for Heavy metal


| | |
|------------------------------|---|
| Major Inorganic Heavy Metals | Antimony(Sb) , Beryllium(Be) , Phosphorus(P) , Arsenic(As) etc. |
|------------------------------|---|

- Technician : Gihwan Kim / Sudong Jo

- Supervisor : Taehee Kang

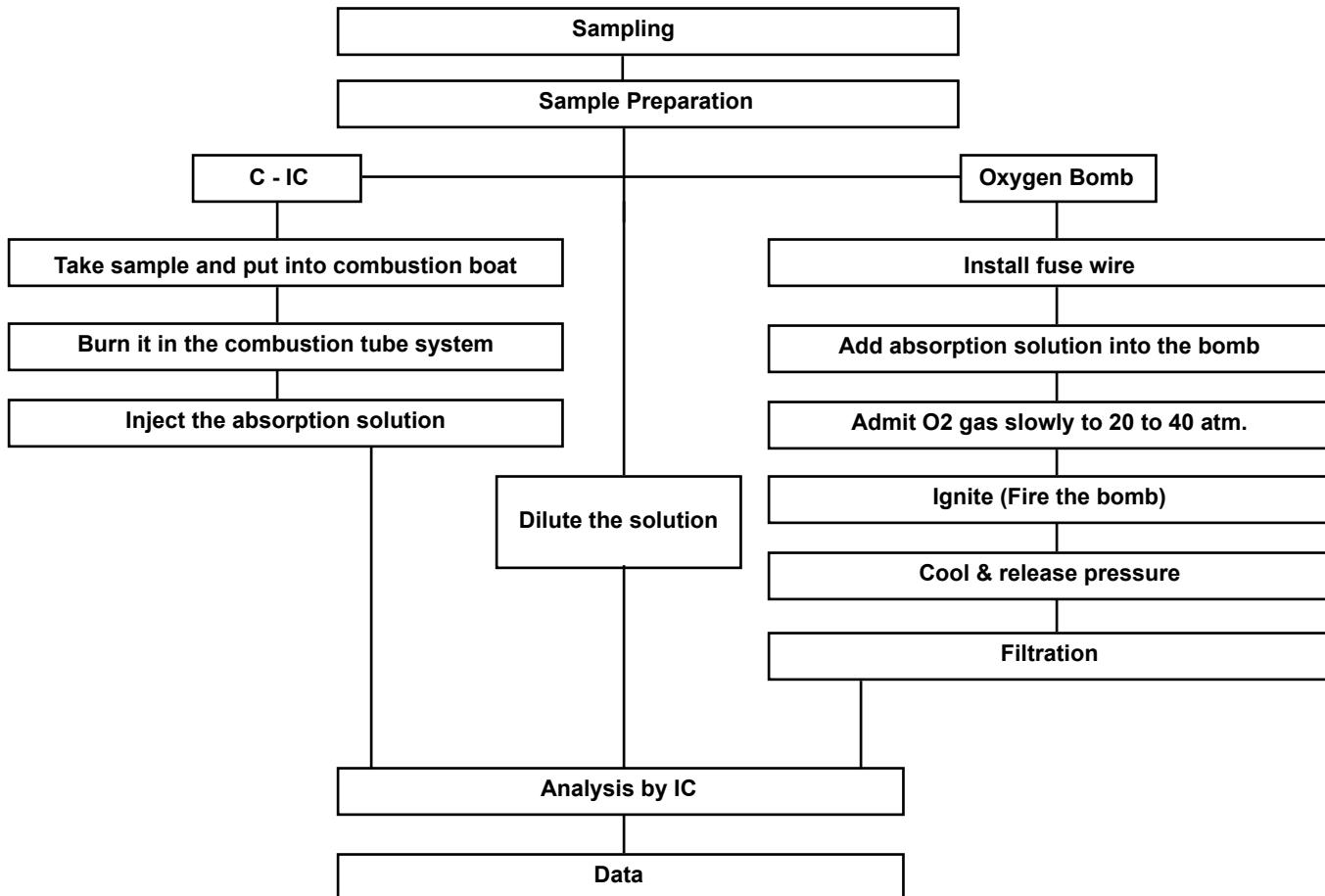
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Flow Chart for Phthalates

- Technician : Yukyung Park
- Supervisor : Taehee Kang

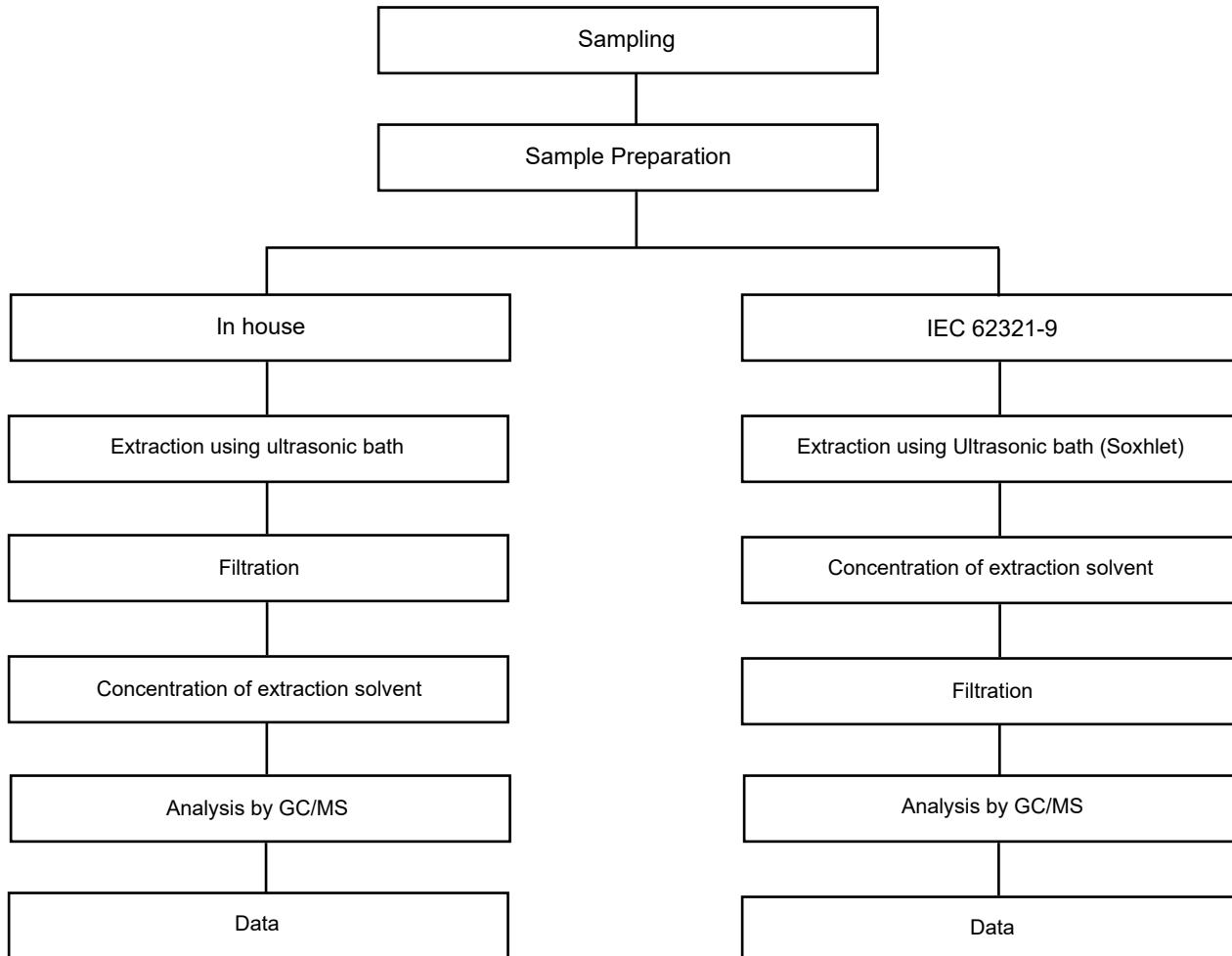
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Flow Chart for Halogen Test



- Technician : Sudong Jo
 - Supervisor : Taehee Kang

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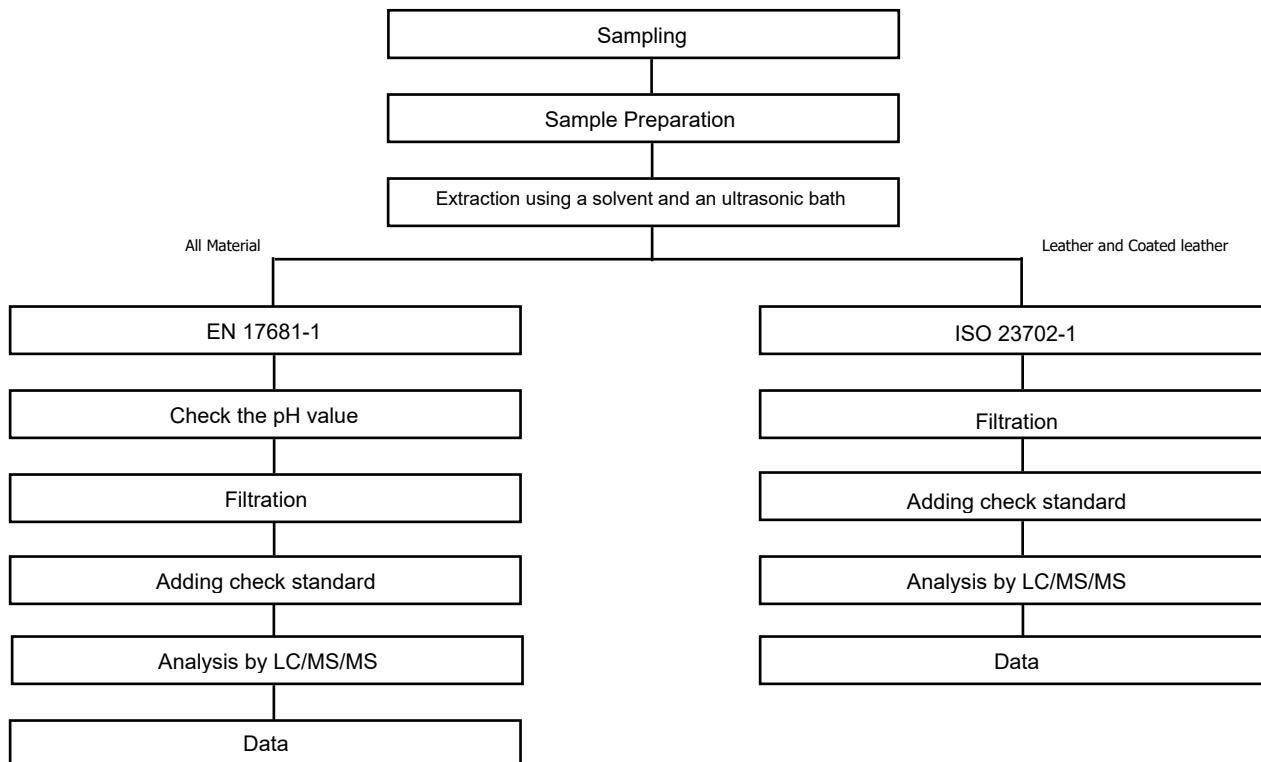
Flow Chart for HBCDD


- Technician : Junkwon Park / Choah Jeong

- Supervisor : Taehee Kang

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Flow Chart for PFAS
(All material)



- Technician : Choah Jeong / Junkwon Park

- Supervisor : Taehee Kang

*** End of Report ***

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