



TEST REPORT

1. NO : CT23-042795E

2. Client

○ Name : WINBRIDGE

○ Address : 4F 21, Annam-ro 458beon-gil, Gyeongyang-gu, Incheon, Republic of Korea

3. Date of Test : 2023.05.02 ~ 2023.05.15

4. Use of Report : Reference(applicant confirmation)

5. Test Sample : WALLMUG TUMBLER

6. Test Method

(1) Standards and Specifications for Food Utensils, Containers and Packages.

7. Test Results

1. WALLMUG TUMBLER

Test Item(s)	Unit	Specifications	Test Method	Test Results	Remark
Extraction Bisphenol A (Sum of Phenol, Bisphenol A & p-tert-butylphenol) 4 % Acetic acid	mg/L	Not more than 2.5 (Bisphenol A : Not more than 0.6)*	(1)	Not detected (Bisphenol A : Not detected)	-
Extraction Bisphenol A (Sum of Phenol, Bisphenol A & p-tert-butylphenol) Water	mg/L	Not more than 2.5 (Bisphenol A : Not more than 0.6)*	(1)	Not detected (Bisphenol A : Not detected)	-
Extraction Bisphenol A (Sum of Phenol, Bisphenol A & p-tert-butylphenol) n-Heptane	mg/L	Not more than 2.5 (Bisphenol A : Not more than 0.6)*	(1)	Not detected (Bisphenol A : Not detected)	-

▶ Material : Polypropylene

* The Specification for the Bisphenol A applied with the Specification of polycarbonate material.

— End of Report —

Affirmation	Tested By Name : Chae Won Kim	Technical Manager Name : Ryu Byung Cheol
1. Our report apply only to the standards or procedures identified and to the sample(s) tested unless otherwise specified. 2. The test results are not indicative of representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products. 3. The results of using only a portion of this report cannot be guaranteed. 4. The authenticity of this test report can be checked on KCL website(www.kcl.re.kr) 5. This Test Report is not based on the [Act on Testing and Inspection of Food and Drugs], and does not have any legal effect with regard to such Act.		

2023.05.15

Korea Conformity Laboratories President Jo, Yung Tae

Result Inquiry : 199, Gasan digital 1-ro, Seomcheon-gu, Seoul, Korea (82-2-2102-2647)

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전자문서본(Electronic Copy)

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DSE CO.,LTD

88-24 Sagyeokjang-gil, Yanggam-myeon
Hwaseong-si, Gyeonggi-do
Korea

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

SGS File No. : AYAA21-06311
Product Name : DSE350U
Item No./Part No. : N/A
Client Reference Data : DSE3015U, DSE3020U, DSE330U, DSE340U, DSE355U, DSE360U, DSE3670U, DSE760U, DSE370U, DSE380U
Received Date : 2021. 01. 21
Test Period : 2021. 01. 21 to 2021. 01. 28
Report Comments : By the applicant's request, item No.s/part No.s & client reference information are stated/added on report.
Test Results : For further details, please refer to following page(s)

SGS Korea Co., Ltd.

Tommy Oh / Chemical Lab Mgr

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CQP-7080507 (01)

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Sample No. : AYAA21-06311.001
Sample Description : DSE350U
Item No./Part No. : N/A
Materials : Silicone rubber

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	N.D.
Mercury (Hg)	mg/kg	With reference to IEC 62321-4 : 2013+A1 : 2017, by ICP-OES	2	N.D.
Hexavalent Chromium (Cr VI)*	mg/kg	With reference to IEC 62321-7-2 : 2017, by UV-Vis and/or with reference to IEC 62321-5 : 2013, by ICP-OES	8	N.D.
Antimony (Sb)	mg/kg	With reference to EPA 3052 : 1996, EPA 6010D : 2018, by ICP	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.
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.

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Sample No. : AYAA21-06311.001
 Sample Description : DSE350U
 Item No./Part No. : N/A
 Materials : Silicone rubber

Flame Retardants-PBBs/PBDEs

Test Items	Unit	Test Method	MDL	Results
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-isodecyl phthalate (DIDP)	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-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 Content

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.

- NOTE: (1) N.D. = Not detected.(<MDL)
 (2) mg/kg = ppm, µg/kg = ppb, mg/L=ppm
 (3) MDL = Method Detection Limit
 (4) - = No regulation
 (5) Negative = Undetectable / Positive = Detectable
 (6) ** = Qualitative analysis (No Unit)
 (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 Chromium (Cr) content is greater than the MDL of Hexavalent Chromium (Cr(VI)), confirmation test of Hexavalent Chromium (Cr(VI)) is required.
 (8) The results shown in this test report refer only to the sample(s) tested unless otherwise stated.
 This test report is not related to Korea Laboratory Accreditation Scheme.

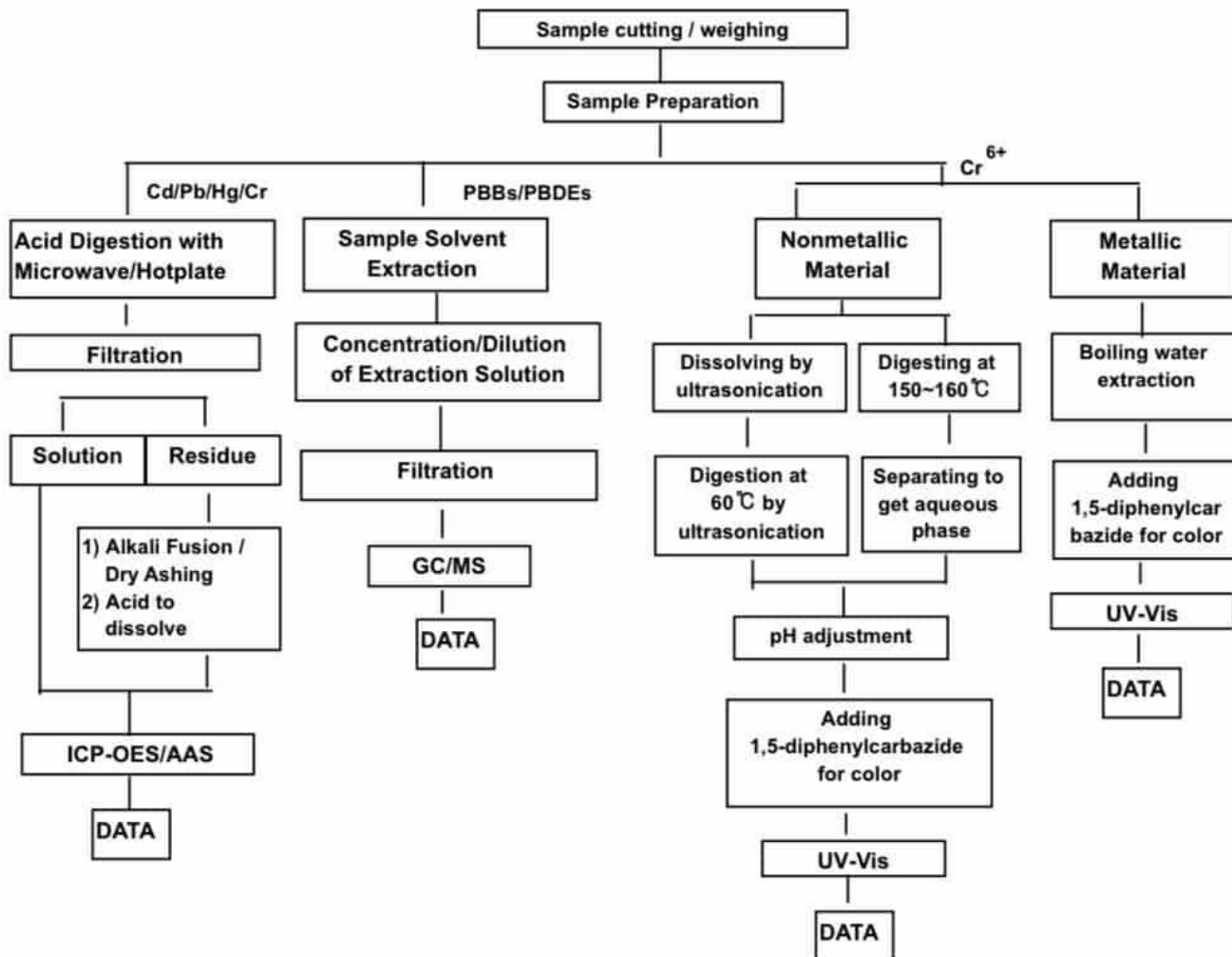
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Picture of Sample as Received:



AYAA21-06311.001

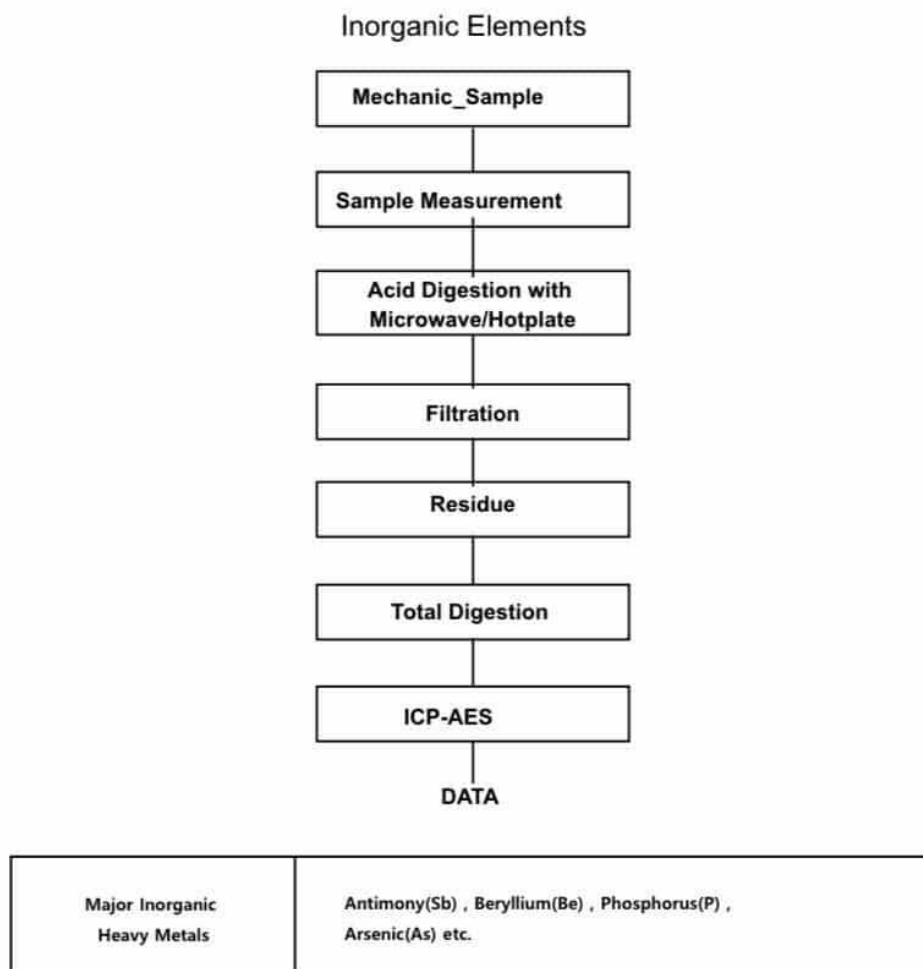
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Testing Flow Chart for RoHS: Cd/Pb/Hg/Cr⁶⁺ /PBBs&PBDEs Testing


The samples were dissolved totally at the acid digestion step of the above flow chart for Cd,Pb,Hg
 Section Chief : Timothy Jeon



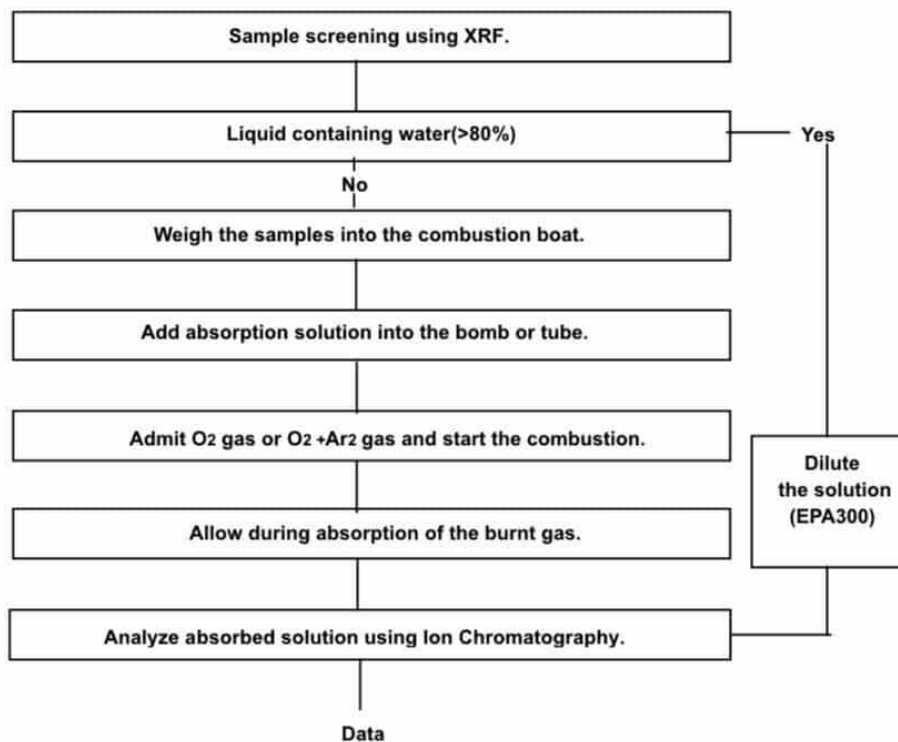
Flow Chart for Inorganic Elements Testing



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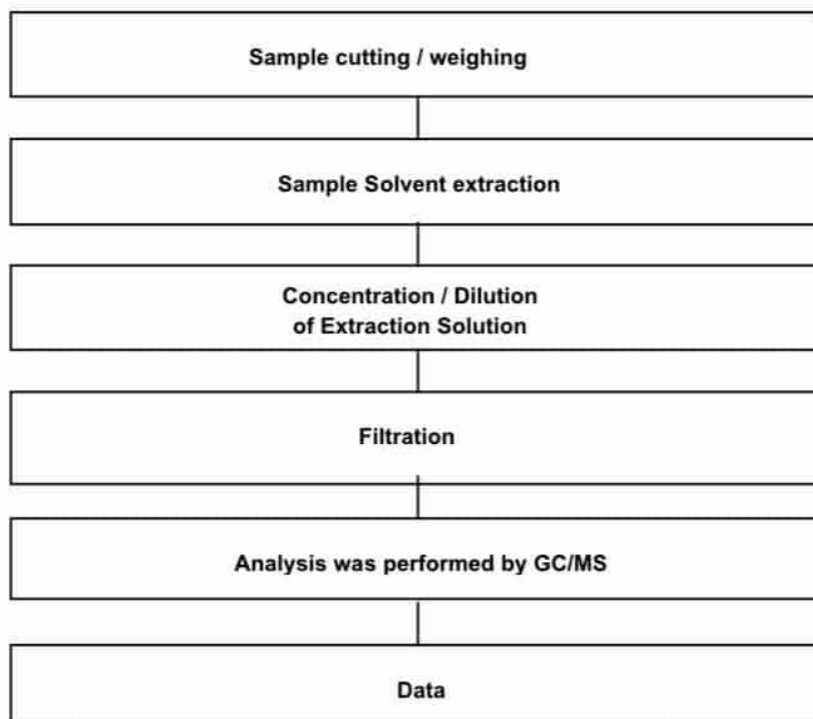
Flow Chart for Halogen Test



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Flow Chart for Phthalate Test



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