

DHSTEEL

44 Sewonjae-ro, Nam-gu
Pohang-si, Gyeongbuk
Korea



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

SGS File No. : AYGU22-09332
Product Name : SWCH45K(F)
Item No./Part No. : N/A
Received Date : 2022. 10. 06
Test Period : 2022. 10. 06 to 2022. 10. 14
Test Results : For further details, please refer to following page(s)

SGS Korea Co., Ltd.
/ Busan Laboratory



Taehee Kang / Technical Manager

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MQP-708-001-F12 (01)

Sample No. : AYGU22-09332.001
Sample Description : SWCH45K(F)
Item No./Part No. : N/A
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 | 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) * | µg/cm ² | With reference to IEC 62321-7-1 : 2015, by UV-Vis | 0.1 | N.D. |

- NOTE:
- (1) N.D. = Not detected.(<MDL)
 - (2) mg/kg = ppm
 - (3) µg/kg = ppb
 - (4) MDL = Method Detection Limit
 - (5) - = No regulation
 - (6) Negative = Undetectable / Positive = Detectable
 - (7) ** = Qualitative analysis (No Unit)
 - (8) * = a. The sample is positive for CrVI if the CrVI concentration is greater than 0.13 ug/cm2. The sample coating is considered to contain CrVI.
 b. The sample is negative for CrVI if CrVI is n.d. (concentration less than 0.10 ug/cm2). The coating is considered a non-CrVI 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.

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Picture of Sample as Received:



AYGU22-09332.001

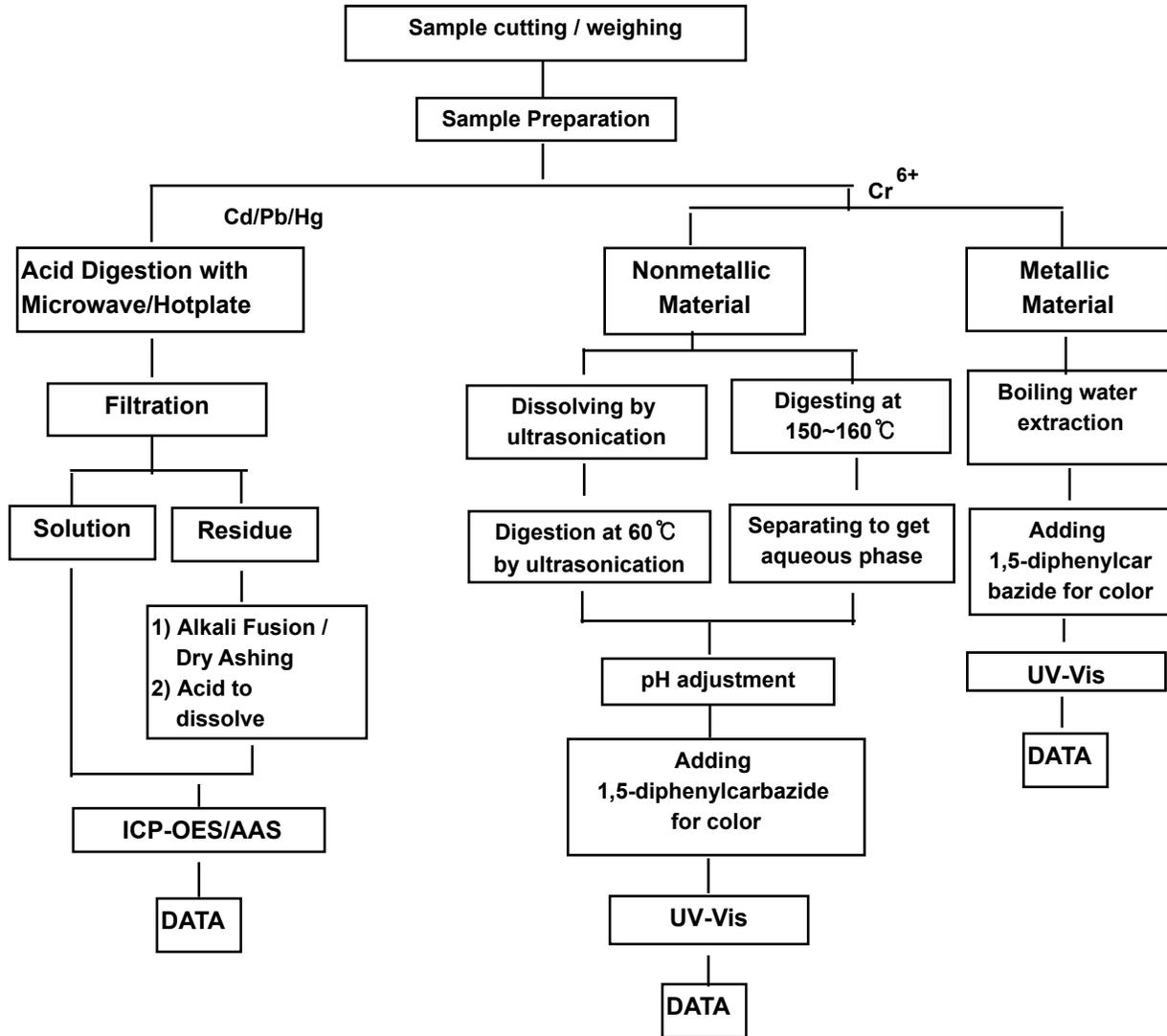
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MQP-708-001-F12 (01)

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



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

*** End of Report ***

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