



# Test Report No. F690101/LF-CTSAYGU23-03864

Issued Date : 2023. 04. 05

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## DHSTEEL

13, Sanmakgongdanbuk 4-gil  
Yongsan-si, Gyeongnam  
Korea



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

**SGS File No.** : AYGU23-03864  
**Product Name** : SWCH10A  
**Item No./Part No.** : N/A  
**Received Date** : 2023. 03. 30  
**Test Period** : 2023. 03. 30 to 2023. 04. 05  
**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)

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Sample No. : AYGU23-03864.001

Sample Description : SWCH10A

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 <sup>2</sup>	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/cm<sup>2</sup>. 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/cm<sup>2</sup>). The coating is considered a non-CrVI based coating.  
c. The result between 0.10 ug/cm<sup>2</sup> and 0.13 ug/cm<sup>2</sup> is considered to be inconclusive - unavoidable coating variations may influence the determination.

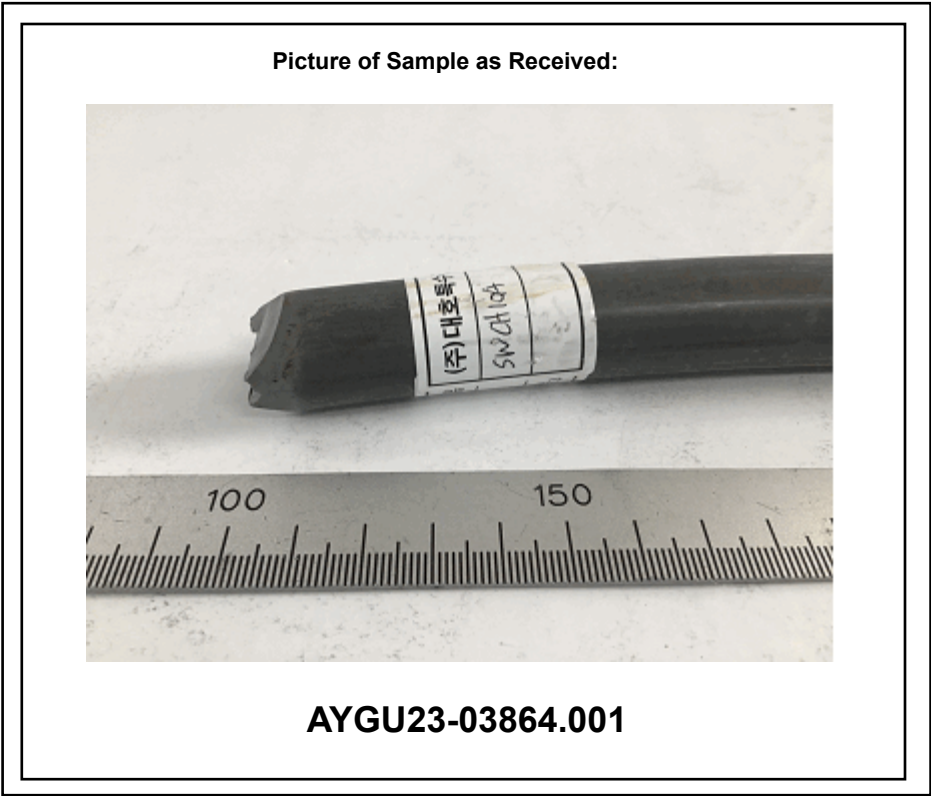
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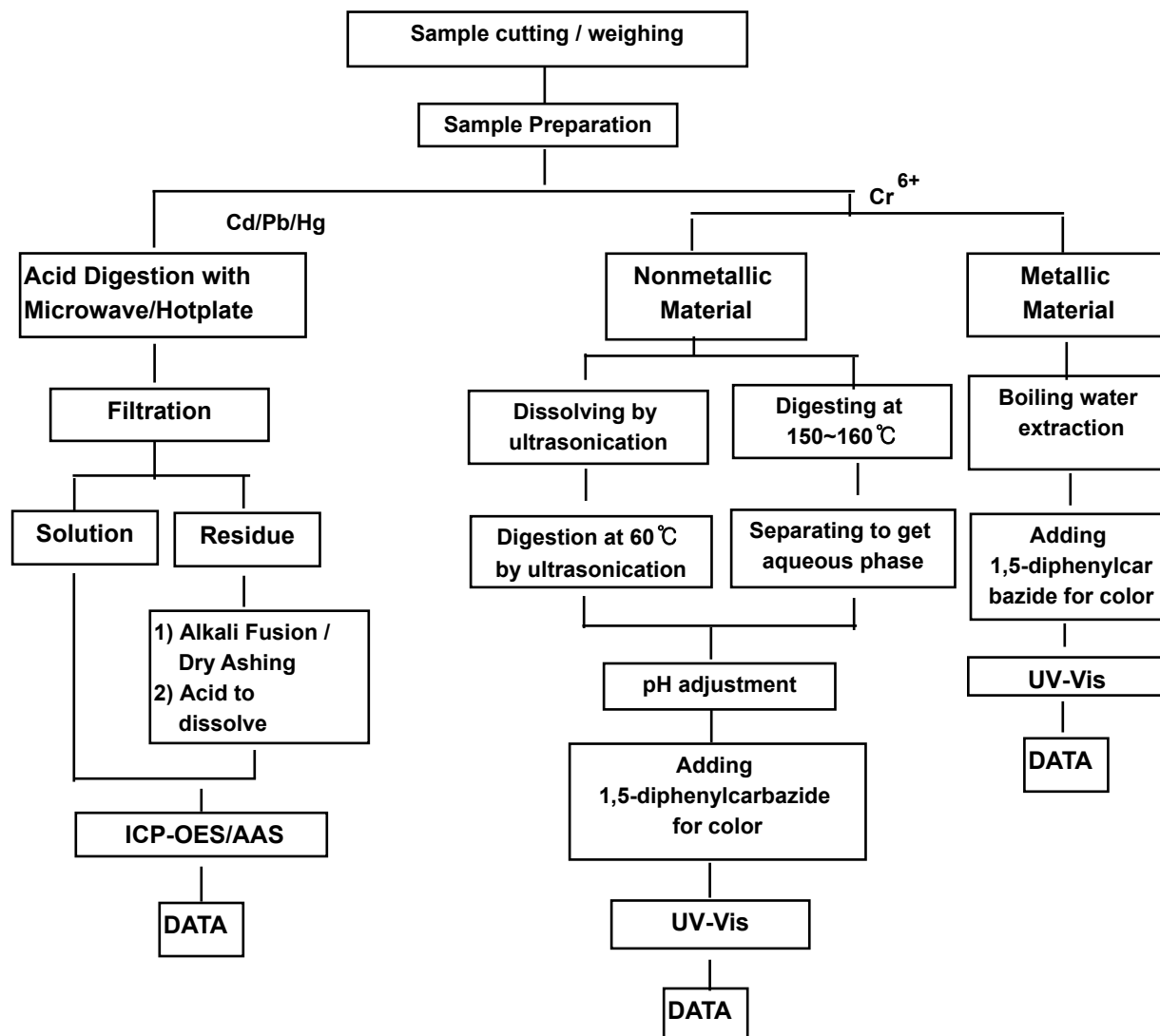
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## Testing Flow Chart for RoHS:Cd/Pb/Hg/Cr<sup>6+</sup> Testing



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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