



# Test Report No. F690101/LF-CTSAYGU20-10193

Issued Date : 2020. 10. 16

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DAEHO P&C CO., LTD.  
44 Seowonjae-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.** : AYGU20-10193  
**Product Name** : SWCH22A  
**Item No./Part No.** : N/A  
**Received Date** : 2020. 10. 13  
**Test Period** : 2020. 10. 13 to 2020. 10. 16  
**Test Results** : For further details, please refer to following page(s)

SGS Korea Co., Ltd.  
/ LTS Busan Laboratory

Dongju Lee / Technical Manager

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SGS Korea Co., Ltd.

50, Sinsan-ro 29beon-gil, Saha-gu, Busan, Korea 49432  
t +82 (0)51 795 7300 f +82 (0)51 795 7310 <http://www.sgsgroup.kr>

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Sample No. : AYGU20-10193.001  
Sample Description : SWCH22A  
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/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.
  - (9) The results shown in this test report refer only to the sample(s) tested unless otherwise stated.  
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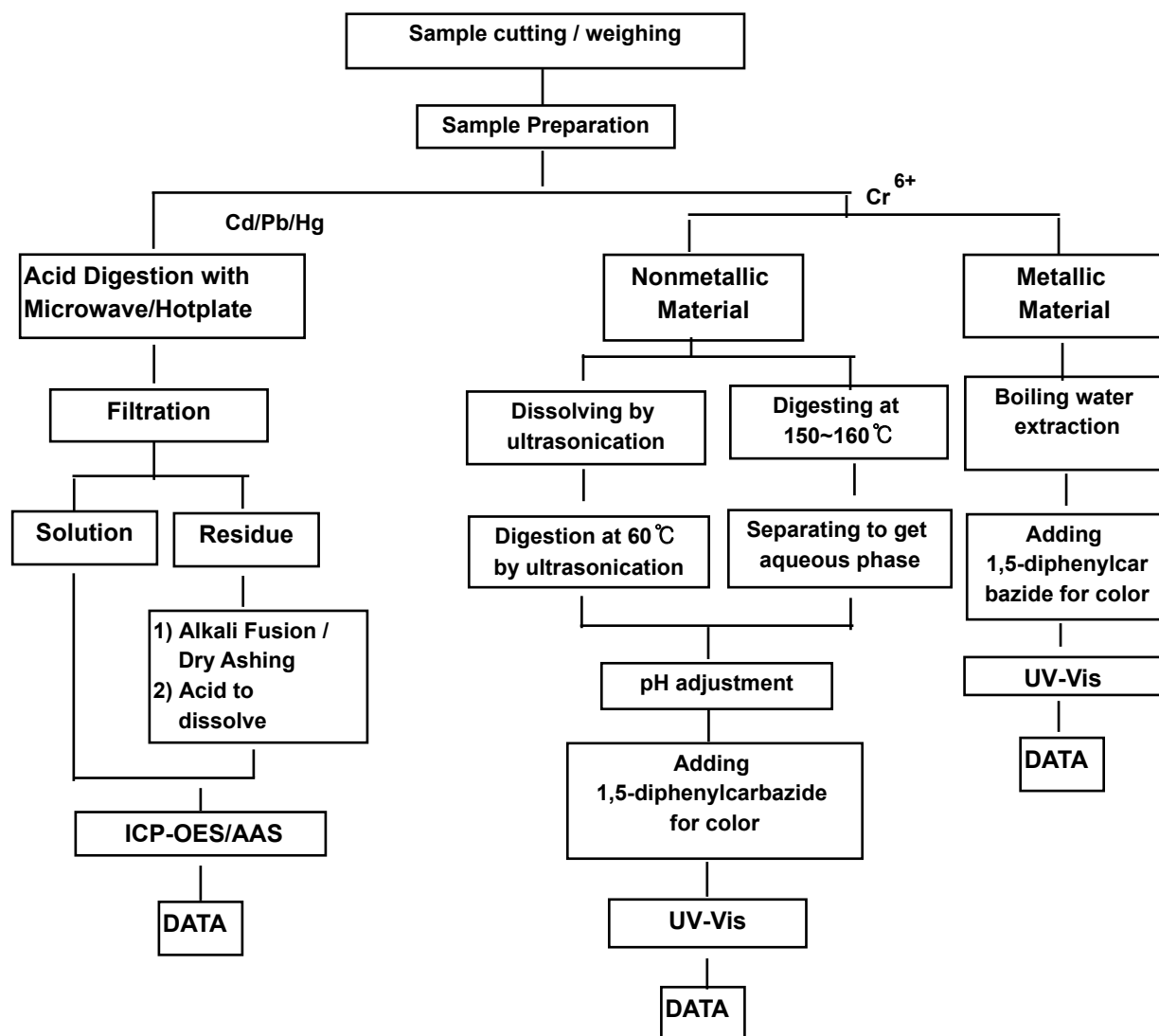
**Picture of Sample as Received:**



**AYGU20-10193.001**

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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 : Gihwan Kim

\*\*\* End of Report \*\*\*