

**DHSTEEL**

95, Chungjusan dan 1-ro  
Chungju-si, Chungcheongbuk-do  
Korea



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

**SGS File No.** : AYAA24-02598  
**Product Name** : AISI1018/SAE1018  
**Item No./Part No.** : N/A  
**Received Date** : 2024. 01. 15  
**Test Period** : 2024. 01. 15 to 2024. 01. 19  
**Test Results** : For further details, please refer to following page(s)



Tony Park Billy Oh

**Technical Manager / SGS Korea Co., Ltd**

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# Test Report No. F690101/LF-CTSAYAA24-02598

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Sample No. : AYAA24-02598.001  
Sample Description : AISI1018/SAE1018  
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+AMD1:2017CSV, 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, 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 sample is positive for Cr VI if the Cr VI concentration is greater than 0.13 ug/cm<sup>2</sup>.  
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/cm<sup>2</sup>).  
The coating is considered a non-Cr VI 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.
  - (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 .

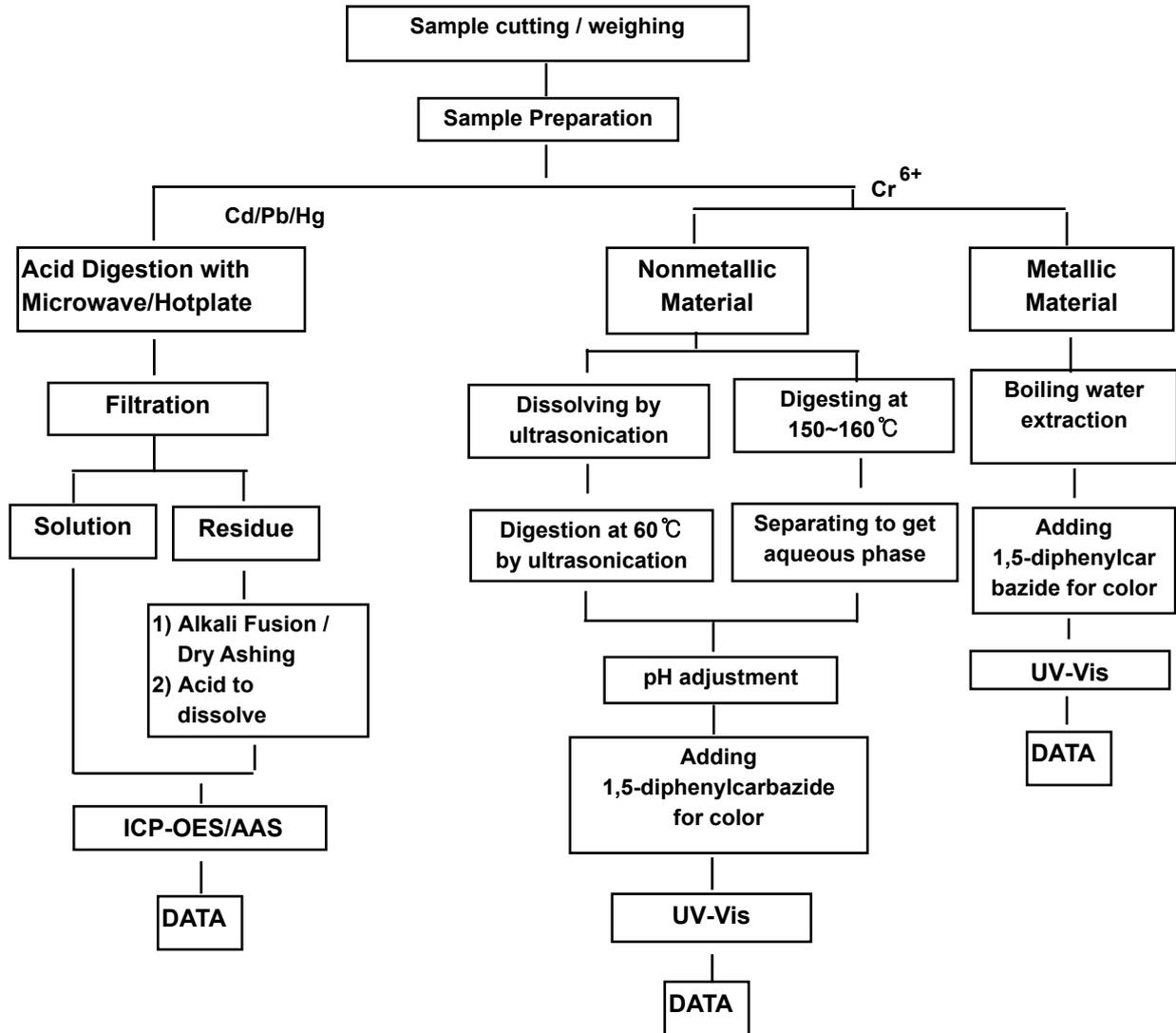
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### Testing Flow Chart for RoHS: Cd/Pb/Hg/Cr<sup>6+</sup> Testing



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

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

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