



Test Report No. F690101/LF-CTSAYGU24-08347

Issued Date : 2024. 10. 07

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DHSTEEL  
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. : AYGU24-08347  
Product Name : SWCH10A  
Item No./Part No. : N/A  
Received Date : 2024. 09. 30  
Test Period : 2024. 09. 30 to 2024. 10. 07  
Test Results : For further details, please refer to following page(s)

SGS Korea Co., Ltd.  
/ Busan Branch

Taehee Kang / Technical Manager

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MQP-708/001-F12 (01)

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Sample No. : AYGU24-08347.001  
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/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:



**AYGU24-08347.001**

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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 : Taehee Kang

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