



TEST REPORT

REPORT No.: **DTI201907080238E**

Date: 2019-07-11

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Applicant Company Name: ANHUI GUOTAI ALUMINIUM CO.,LTD

Applicant Company Address: Yu`an Economic-Development Zone.Lu`an City Anhui Province .China

Report on the submitted samples said to be:

Sample Name : Aluminum profile -6061
 Sample Receiving Date : July 08,2019
 Testing Period : From July 08,2019 to July 11,2019
 Results : Please refer to next page(s).

Summary of Test Results:

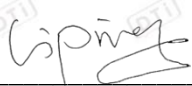
TEST REQUEST

CONCLUSION

A EU RoHS Directive 2011/65/EU and its amendment directives(**RoHS 2.0**) - Lead, Cadmium, Mercury, Hexavalent Chromium content

Pass

Signed for and on behalf of
DTI

Approved by: 
lab manager



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Results:

Tested part(s):

(1) Silver Metal Aluminum Profile -6061

A、EU RoHS Directive 2011/65/EU and its amendment directives(RoHS 2.0) - Lead, Cadmium, Mercury, Hexavalent Chromium content

Test method:

Lead ,Mercury& Cadmium Content:

With reference to IEC 62321-4:2013 and IEC62321-5:2013, by acid digestion and analysis was performed by inductively coupled plasma atomic emission spectrometer (ICP-AES)

Hexavalent Chromium Content:

With reference to IEC 62321-7-1:2015, by boiling-water-extraction and analysis was performed by UV-visible spectrophotometer (UV-Vis)



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1) The test results of Pb、 Cd 、 Hg and Cr (VI)

Item	Unit	MDL	Results	Limit
			(1)	
Lead Content (Pb)	mg/kg	2	N.D.	1000
Cadmium Content (Cd)	mg/kg	2	N.D.	100
Mercury Content (Hg)	mg/kg	2	N.D.	1000
Hexavalent Chromium (Cr (VI))	µg/cm ²	0.05	Negative	#
Conclusion	/	/	Pass	/

Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- Negative= Sample Cr(VI) concentration is less than 0.10 µg/cm²
- Positive = Sample Cr(VI) concentration is greater than 0.13 µg/cm²
- # =
Positive indicates the presence of Cr(VI) on the tested areas and result be regarded as conflict with RoHS requirement.
Negative indicates the absence of Cr(VI) on the tested areas and result be regarded as no conflict with RoHS requirement.
- Test Flow chart appendix included
- Photograph of Sample appendix included



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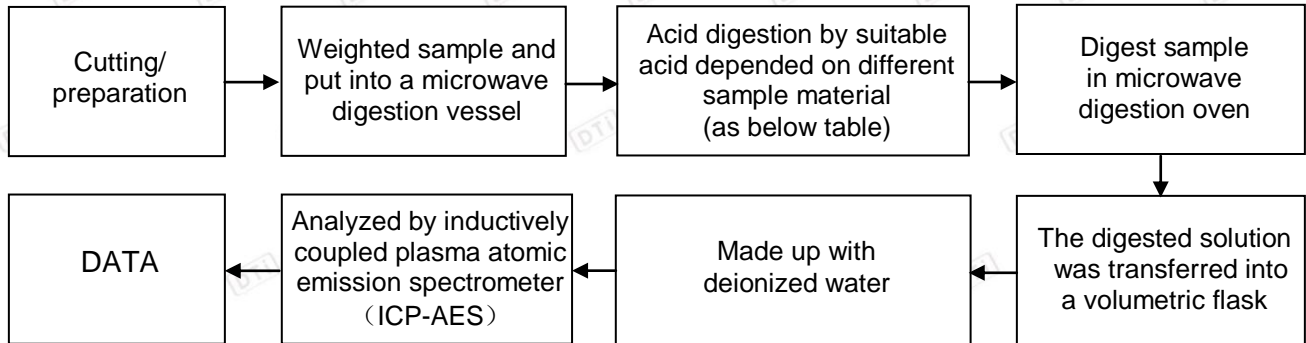
9th Flr., Building B, Feiyang Science & Technology Park, Longchang Rd. No.8, Bao'an, Shenzhen, Guangdong, China
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Appendix

Test Flow chart

1. Test Flowchart for Cd / Pb /Hg content

These samples were dissolved totally by pre-conditioning method according to below flow chart.



2. Test Flowchart for Cr⁶⁺ content

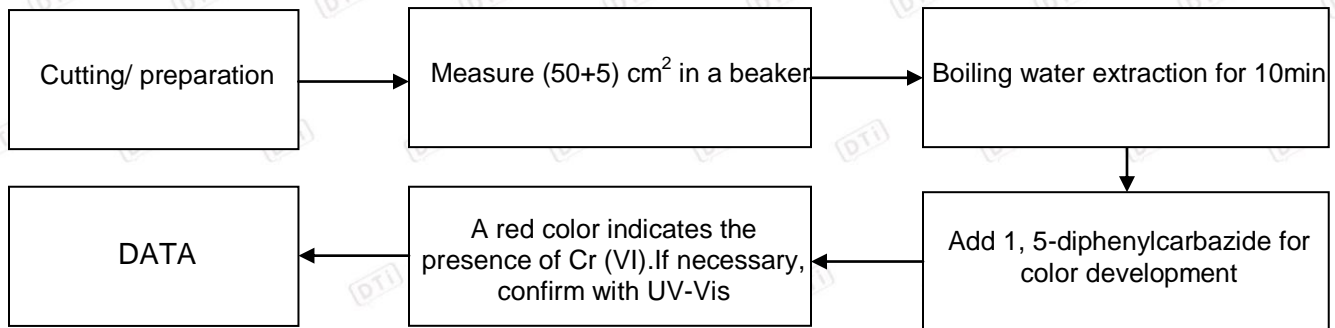


Table:

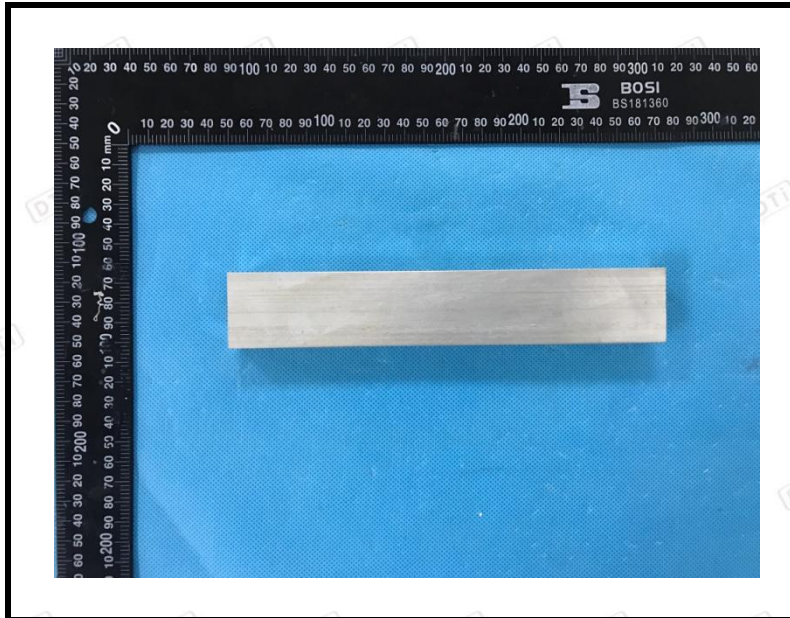
Sample material	Digestion Acid
Steel, copper, aluminum, solder	Aqua regia, HNO ₃ , HCl, HF, H ₂ O ₂
Glass	HNO ₃ /HF
Gold, platinum, palladium, ceramic	Aqua regia
Silver	HNO ₃
Plastic	H ₂ SO ₄ , H ₂ O ₂ , HNO ₃ , HCl
Others	Any acid to total digestion



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Photograph of Sample



DTI authenticate the photo on original report only

*** End of Report ***



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