Test Report

Report No.: AGC02034180401-012 Date: May 03, 2018 Page 1 of 5

Applicant: Guang Zhou Trusty Filters Co.Ltd

Address: 412room,4th floor,No602,Guangshan Second Road,TianHe District,Guang Zhou City,Guang Dong Province of China

Report on the submitted sample(s) said to be:

Sample Name	:	Aluminum honeycomb
Sample Received Date	:	Apr.27, 2018
Testing Period	:	Apr.27, 2018 to May 03, 2018

Test Requested	:	As specified by client, to determine the Pb, Cd, Hg, Cr^{6+} content in the submitted sample in accordance with Directive 2011/65/EU(RoHS) and its amendment directives.
Test Method	:	Please refer to next page(s).
Test Result	:	Please refer to next page(s).

Tested by:	Reviewed by:	Approved by:
Luoxiao	Suhongliang, Leon	Liulinwen, Lewis
Test Engineer	Test Team Leader	Technical Director

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Test Result(s):

1. Test result of the Pb , Cd , Hg, Cr^{6+} content

Unit: mg/kg

Test item(s)	Test Method/ Equipment	MDL	Result(s)	Limit
			1	
Cadmium (Cd)	Refer to IEC 62321-5:2013 ICP-OES	2	N.D.	100
Lead (Pb)		2	N.D.	1000
Mercury (Hg)	Refer to IEC 62321-4:2013 ICP-OES	2	N.D.	1000
Hexavalent Chromium (Cr^{6+})	Refer to IEC 62321-7-1:2015 UV-Vis	See note	Negative	#
Conclusion	/	/	**Pass**	/

Note:

- mg/kg =parts per million
- N.D.=Not Detected(less than method detection limit)
- MDL = Method Detection Limit
- Negative = Absence of Cr(Ⅵ) on the tested areas
- Boiling-water-extraction:

Number	Colorimetric result (Cr(VI) concentration)	**Qualitative result**
1	The sample solution is<the 0,10 μg/cm^2 equivalent comparison standard solution	The sample is negative for Cr(VI) − The Cr(VI) concentration is below the limit of quantification. The coating is considered a non-Cr(VI) based coating.
2	The sample solution is ≥ the 0,10 μg/cm^2 and ≤ the0,13 μg/cm^2 equivalent comparison standard solutions	The result is considered to be inconclusive – Unavoidable coating variations may influence the determination.
3	The sample solution is > the 0,13 μg/cm^2 equivalent comparison standard solution	The sample is positive for Cr(VI) − The Cr(VI) concentration is above the limit of quantification and the statistical margin of error. The sample coating is considered to contain Cr(VI).

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- # =Negative indicates the absence of Cr(Ⅵ) on the tested areas concentration is below the limit of quantification. The coating is considered a non-Cr(VI) based coating.
  Uncertainty indicates the absence of Cr(Ⅵ) on the tested areas unavoidable coating variations may influence the determination.
  Positive indicates the presence of Cr(Ⅵ) on the tested areas concentration is above the limit of quantification and the statistical margin of error. The sample coating is considered to contain Cr(VI).
  Storage conditions and production date of the tested sample are unavailable and thus result of Cr(VI) represent status of the sample at the time of testing.
- As specified by client, only test the designated sample.

Sample Description

1	Black Aluminum honeycomb

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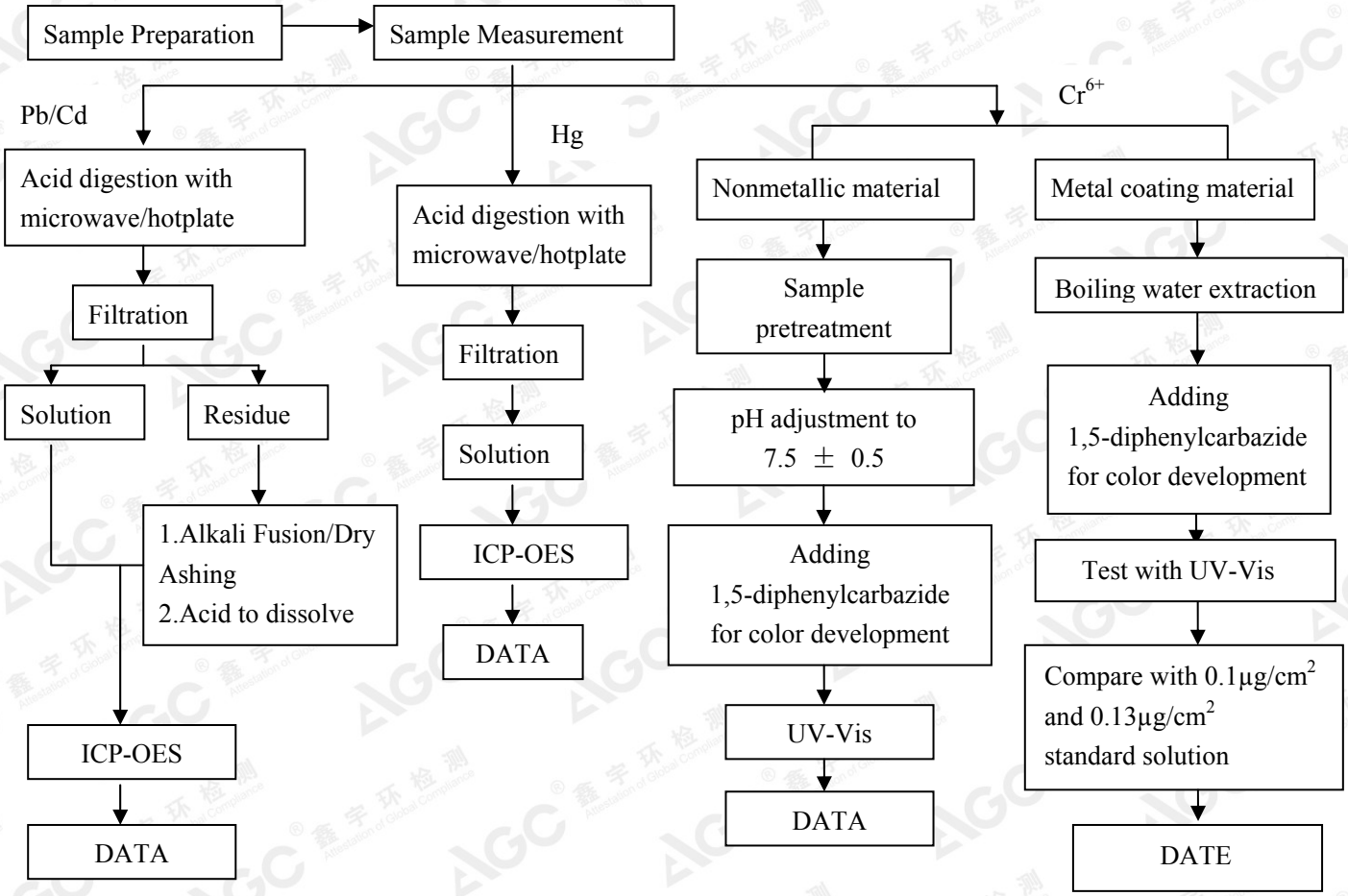
Test Flow Chart

1.For Pb , Cd , Hg, Cr^{6+}



These sample were dissolved totally by pre-conditioning method according to above flow chart (Cr^{6+} test method excluded)

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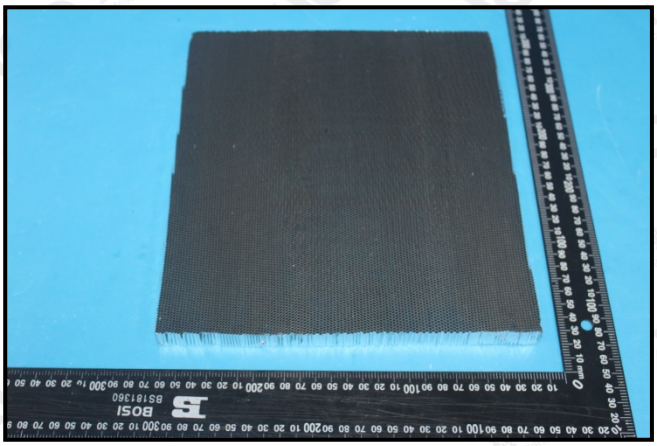
The photo of the sample



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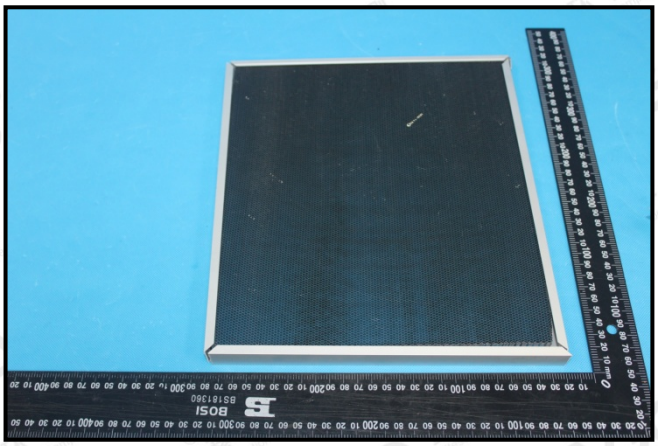

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AGC authenticate the photo on original report only

*** End of Report***

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