

Test Report

Report No.: AGC10122200401-001

Date: Apr.09, 2020

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Applicant: JYM Tech Co., Ltd
Address: No.3,Shangsha Road, Nanhai District, Foshan City, Guangdong Province 528000, China
Test site: 1,6/F.,Building 2,Sanwei Chaxi Industrial Park,Sanwei Community,Hangcheng Street,Baoan Distrist,Shenzhen,Guangdong,China

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

Sample name : Face Shield
Material : PET
Model No : MA-A
Item No. : 20200402
Supplier : JYM Tech
Manufacturer : JYM Tech Co., Ltd
Address : No.3,Shangsha Road, Nanhai District, Foshan City, Guangdong Province 528000, China
Sample Received Date : Apr.03, 2020
Testing Period : Apr.03, 2020 to Apr.09, 2020

Test Requested:

As specified by client, to determine the Pb, Cd, Hg, Cr⁶⁺, PBBs, PBDEs, DBP, BBP, DEHP, DIBP content in the submitted sample in accordance with Directive 2011/65/EU (RoHS) and its amendment directive (EU) 2015/863.

Conclusion:

Pass


Approved by: Jessie Liang
Liangdan, Jessie Liang
Technical Director



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Test Result:

(Test Method/ Instrument/ MDL and Limit: See Appendix)

No.	Test result										Conclusion	
	Pb	Cd	Hg	Cr ⁶⁺	PBBs	PBDEs	DIBP	DBP	BBP	DEHP		
1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Conformity
2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Conformity
3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Conformity
4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Conformity
5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Conformity

Note:

mg/kg = milligram per kilogram

µg/cm² = microgram per square centimeter

N.D.=Not Detected (less than method detection limit)

N/A= Not applicable

MDL = Method Detection Limit

Remark:

- 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 ≤ the 0,13 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).

- 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.

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Sample Description:

1.	Blue sticker
2.	Transparent lens
3.	White rubber band
4.	White plastic rivet
5.	White sponge

Appendix:

Test Item	Test Method/ Instrument	MDL	Limit
Lead (Pb)	IEC 62321-5:2013/ ICP-OES	10mg/kg	<1000mg/kg
Cadmium (Cd)	IEC 62321-5:2013/ ICP-OES	10mg/kg	<100mg/kg
Mercury (Hg)	IEC 62321-4: 2013+A1:2017/ ICP-OES	10mg/kg	<1000mg/kg
Non-metal Hexavalent Chromium (Cr ⁶⁺)	IEC 62321-7-2:2017/ UV-Vis	8mg/kg	<1000mg/kg
Metal Hexavalent Chromium (Cr ⁶⁺)	IEC 62321-7-1:2015/ UV-Vis	0.1µg/cm ²	/
Polybrominated Biphenyls (PBBs) -Monobromobiphenyl (MonoBB) -Dibromobiphenyl (DiBB) -Tribromobiphenyl (TriBB) -Tetrabromobiphenyl (TetraBB) -Pentabromobiphenyl (PentaBB) -Hexabromobiphenyl (HexaBB) -Heptabromobiphenyl (HeptaBB) -Octabromobiphenyl (OctaBB) -Nonabromodiphenyl (NonaBB) -Decabromodiphenyl (DecaBB)	IEC 62321-6:2015/ GC-MS	Single 5mg/kg	Sum <1000mg/kg
Polybrominated Diphenylethers (PBDEs) -Monobromodiphenyl ether (MonoBDE) -Dibromodiphenyl ether (DiBDE) -Tribromodiphenyl ether (TriBDE) -Tetrabromodiphenyl ether (TetraBDE) -Pentabromodiphenyl ether (PentaBDE) -Hexabromodiphenyl ether (HexaBDE) -Heptabromodiphenyl ether (HeptaBDE) -Octabromodiphenyl ether (OctaBDE) -Nonabromodiphenyl ether (NonaBDE) -Decabromodiphenyl ether (DecaBDE)	IEC 62321-6:2015/ GC-MS	Single 5mg/kg	Sum <1000mg/kg
Di-iso-butyl phthalate (DIBP)	IEC 62321-8:2017/ GC-MS	50mg/kg	<1000mg/kg
Dibutyl phthalate (DBP)		50mg/kg	<1000mg/kg
Butylbenzyl phthalate (BBP)		50mg/kg	<1000mg/kg
Di-(2-ethylhexyl) Phthalate (DEHP)		50mg/kg	<1000mg/kg

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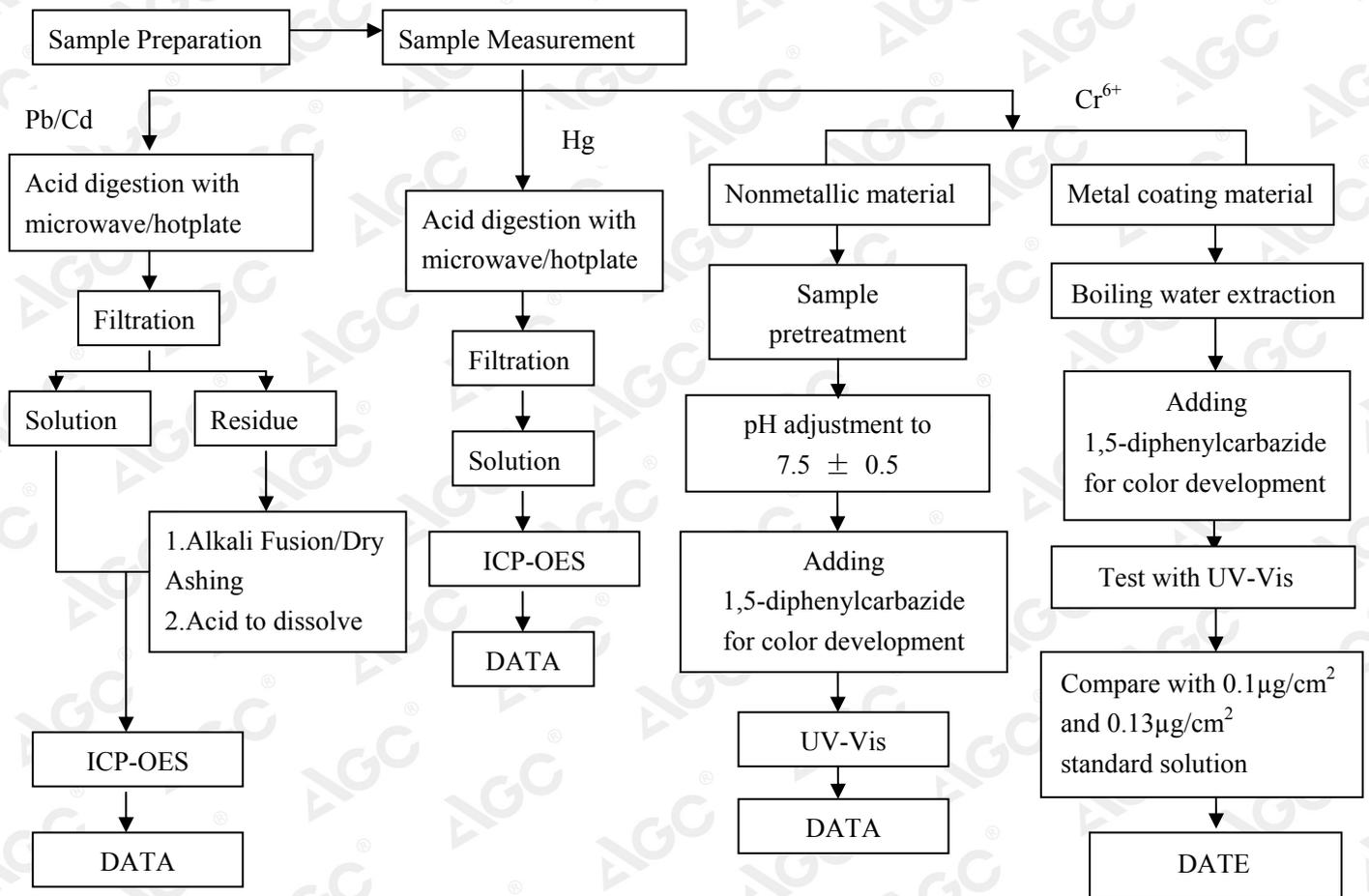
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Note:

“<”= less than

Test Flow Chart

1.For Pb , Cd , Hg, Cr⁶⁺



These sample were dissolved totally by pre-conditioning method according to above flow chart (Cr⁶⁺ test method excluded)

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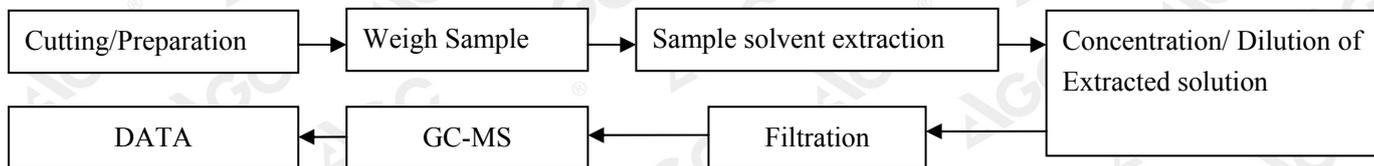
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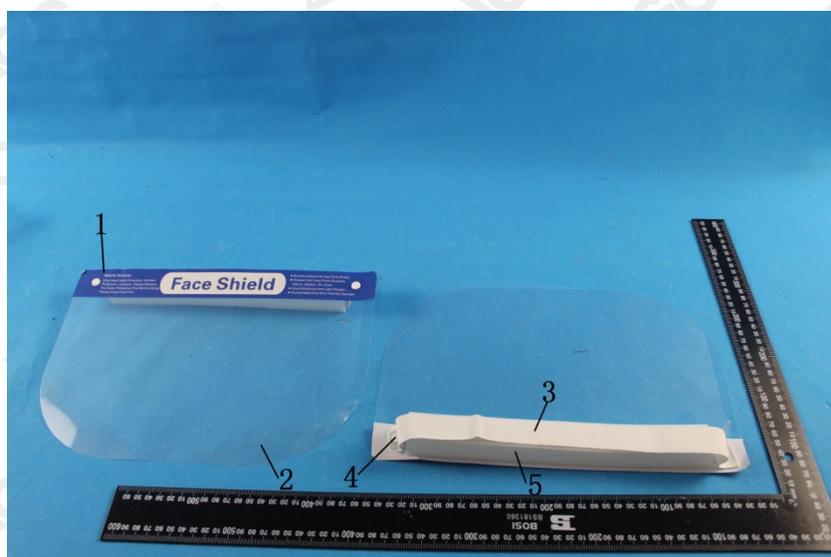
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2.For PBBs, PBDEs, DBP, BBP, DEHP, DIBP



The photo of the sample



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AGC authenticate the photo on original report only

*** End of Report***

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Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

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