

Test Report

Report No.:RGST180426008R01

Revision Date: Aug 03, 2018

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Instead of RGST180426008

Date: May 03, 2018

Applicant : HEBEI CSG GLASS CO.,LTD
Address : Yongqing Industrial Zone, South of Guojiawu Village, Caojiawu Township, Yongqing County, Hebei Province

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

Sample(s) Name : Super white glass
Sample(s) received date : Apr 26, 2018
Testing period : From Apr 26, 2018 to May 02, 2018

Test Request

Conclusion

(1) As specified by client, to determine the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr⁶⁺), Polybrominated Biphenyls(PBBs) & Polybrominated Diphenyl Ethers(PBDEs), Dibutyl Phthalate (DBP), Benzylbutyl Phthalate (BBP), Bis-(2-ethylhexyl) Phthalate (DEHP) and Diisobutyl Phthalate (DIBP) content in the submitted sample(s) in accordance with Directive 2011/65/EU (RoHS) & its amendment Directive (EU) 2015/863.

Pass



Approved by:

Ben Miao

Technical Manager

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Shenzhen General Standard Testing Services Co.,Ltd

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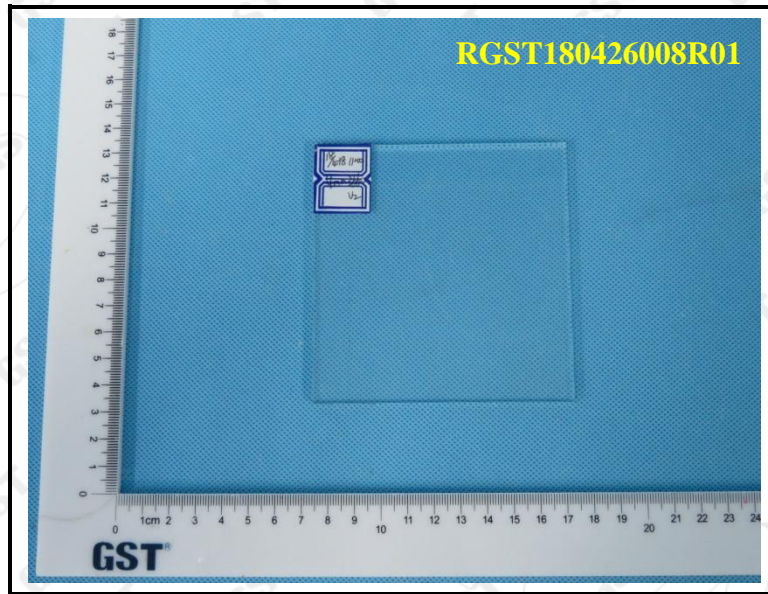
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Photograph(s) of Sample



GST authenticate the photo on original report only

Specimen Description:

No.	Test part(s) name
1	Transparent glass

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Results:

(1) RoHS 2.0 Restricted materials-Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs&PBDEs, Dibutyl Phthalate, Benzylbutyl Phthalate, Bis-(2-ethylhexyl) Phthalate and Diisobutyl Phthalate content.

Test Item(s)	Test Method	Test Instrument
Lead (Pb) and Cadmium (Cd)	IEC 62321-5:2013	ICP – OES/AAS
Mercury (Hg)	IEC 62321-4:2013	ICP - OES
Chromium (VI)(Cr ⁶⁺)	IEC 62321 Edition 1.0:2008	UV-VIS Spectrophotometer
Polybrominated Biphenyls (PBBs)& Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6: 2015	GC-MS
DBP, BBP, DEHP and DIBP	IEC 62321-8: 2017	GC-MS

Test item(s)	Unit	MDL	RoHS Limit	Result(s)
				1
Lead (Pb)	mg/kg	10	1000	N.D.
Cadmium (Cd)	mg/kg	5	100	N.D.
Mercury (Hg)	mg/kg	10	1000	N.D.
Chromium (VI) (Cr ⁶⁺)	mg/kg	2	1000	N.D.
Monobromobiphenyl	mg/kg	10	/	N.D.
Dibromobiphenyl	mg/kg	10	/	N.D.
Tribromobiphenyl	mg/kg	10	/	N.D.
Tetrabromobiphenyl	mg/kg	10	/	N.D.
Pentabromobiphenyl	mg/kg	10	/	N.D.
Hexabromobiphenyl	mg/kg	10	/	N.D.
Heptabromobiphenyl	mg/kg	10	/	N.D.
Octabromobiphenyl	mg/kg	10	/	N.D.
Nonabromodiphenyl	mg/kg	10	/	N.D.
Decabromodiphenyl	mg/kg	10	/	N.D.
Sum of PBBs	mg/kg	/	1000	N.D.
Monobromodiphenyl ether	mg/kg	10	/	N.D.

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Test item(s)	Unit	MDL	RoHS Limit	Result(s)
				1
Dibromodiphenyl ether	mg/kg	10	/	N.D.
Tribromodiphenyl ether	mg/kg	10	/	N.D.
Tetrabromodiphenyl ether	mg/kg	10	/	N.D.
Pentabromodiphenyl ether	mg/kg	10	/	N.D.
Hexabromodiphenyl ether	mg/kg	10	/	N.D.
Heptabromodiphenyl ether	mg/kg	10	/	N.D.
Octabromodiphenyl ether	mg/kg	10	/	N.D.
Nonabromodiphenyl ether	mg/kg	10	/	N.D.
Decabromodiphenyl ether	mg/kg	10	/	N.D.
Sum of PBDEs	mg/kg	/	1000	N.D.
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.
Diisobutyl Phthalate (DIBP)	mg/kg	50	1000	N.D.

Note:

- mg/kg=milligram per kilogram
- N.D. =Not Detected (<MDL)
- MDL=Method Detection Limit
- As specified by client, only above test part(s) was/were analyzed

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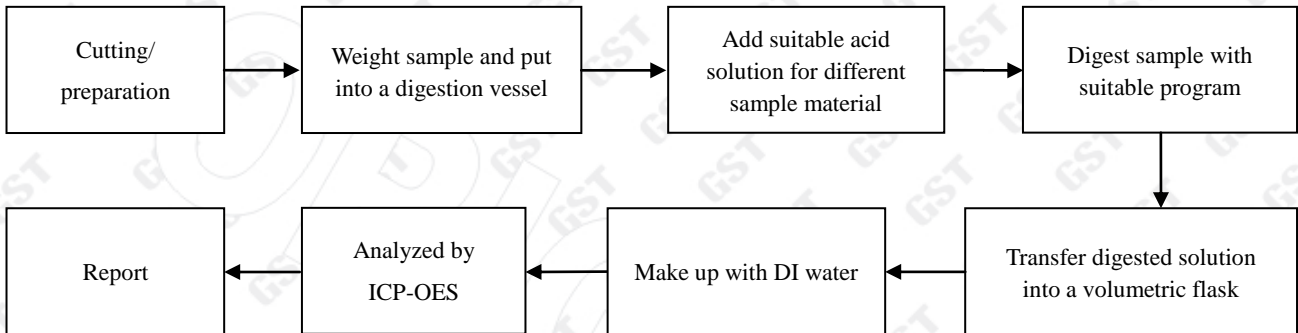
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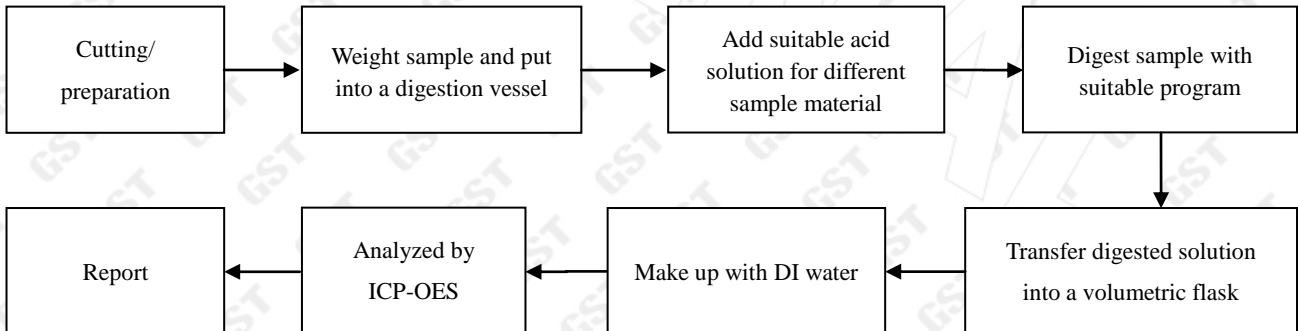
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Appendix

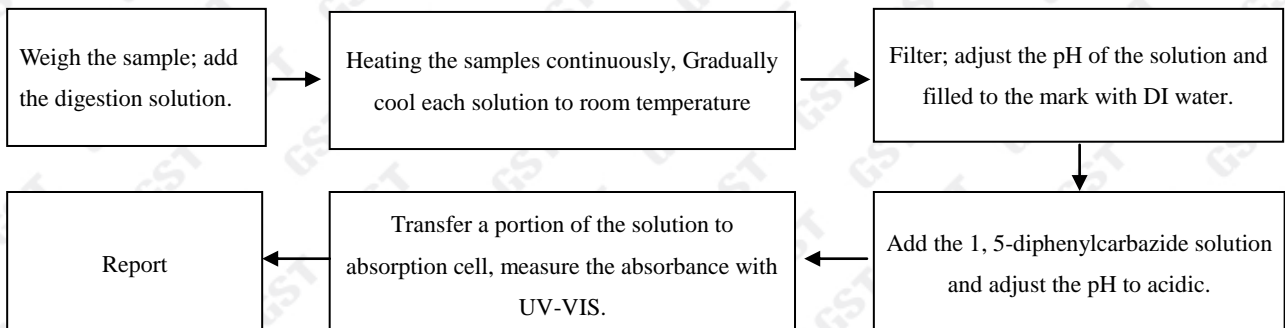
1. Test flowchart for Pb / Cd content:



2. Test flowchart for Hg content:



3. Test flowchart for Cr⁶⁺ content in non-metallic material:



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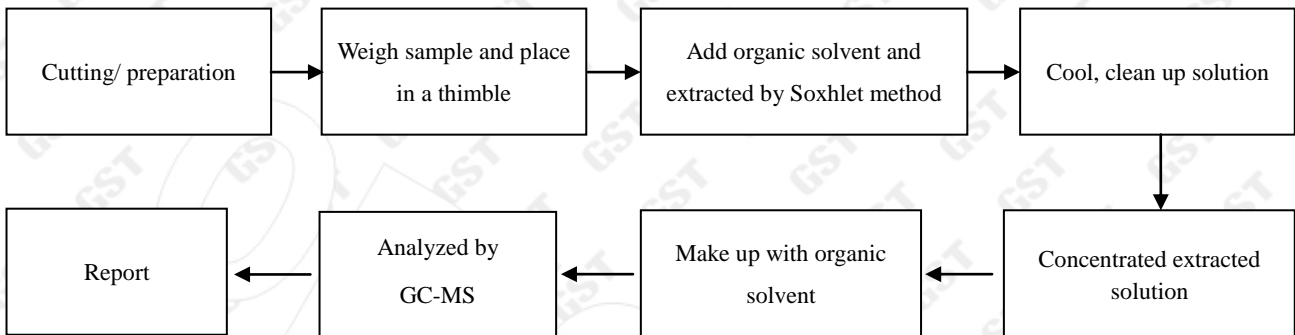
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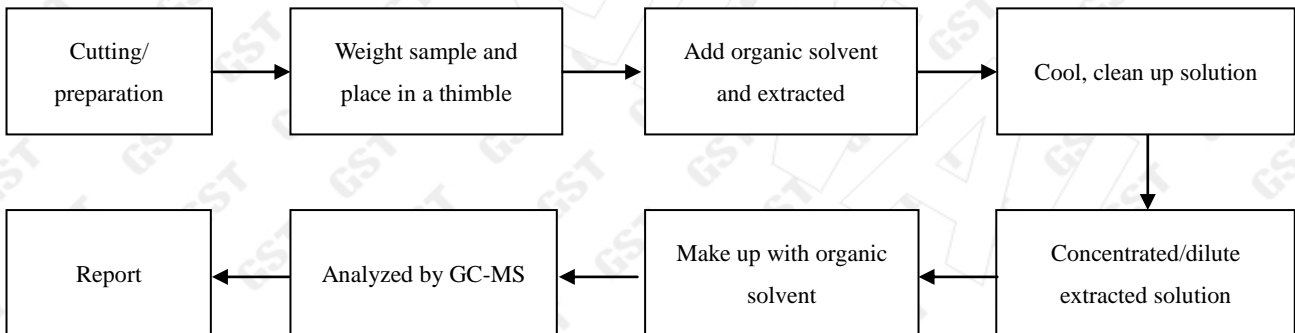
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4. Test flowchart for PBBs & PBDEs content:



5. Test flow chart for Phthalates content:



*** End of Report ***

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