

Test Report

No. C200514004001

Date: May 20, 2020

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Applicant: Shanghai Robtol Tool Manufacturing Co., Ltd.

Applicant Address: No.539, Huancheng North Road, Fengxian, Shanghai, China

The following samples were submitted and identified on behalf of the clients as

Sample Name: Garden goggles
CPST Internal Reference No.: C200514004
Sample Received Date: May 14, 2020
Test Period: May 14, 2020 to May 20, 2020
Test Method: Please refer to next page(s).
Test Result: Please refer to next page(s).

CONCLUSION :

<u>TESTED SAMPLES</u>	<u>TEST ITEM</u>	<u>RESULT</u>
Garden goggles	1.RoHS Directive 2011/65/EU Annex II amending Annex (EU)2015/863 and amending Annex (EU)2017/2102 — Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs and PBDEs Content	PASS
	—Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate(DIBP) Content	PASS

Signed for and on behalf of
Eurones (Dongguan) Consumer Products Testing Service Co., Ltd



TESTED BY :

David wan

Wan Da Wei, David
Project Leader

REVIEWED BY:

Sunshine Liu

Liu Xiao Fang, Sunshine
Report Reviewer

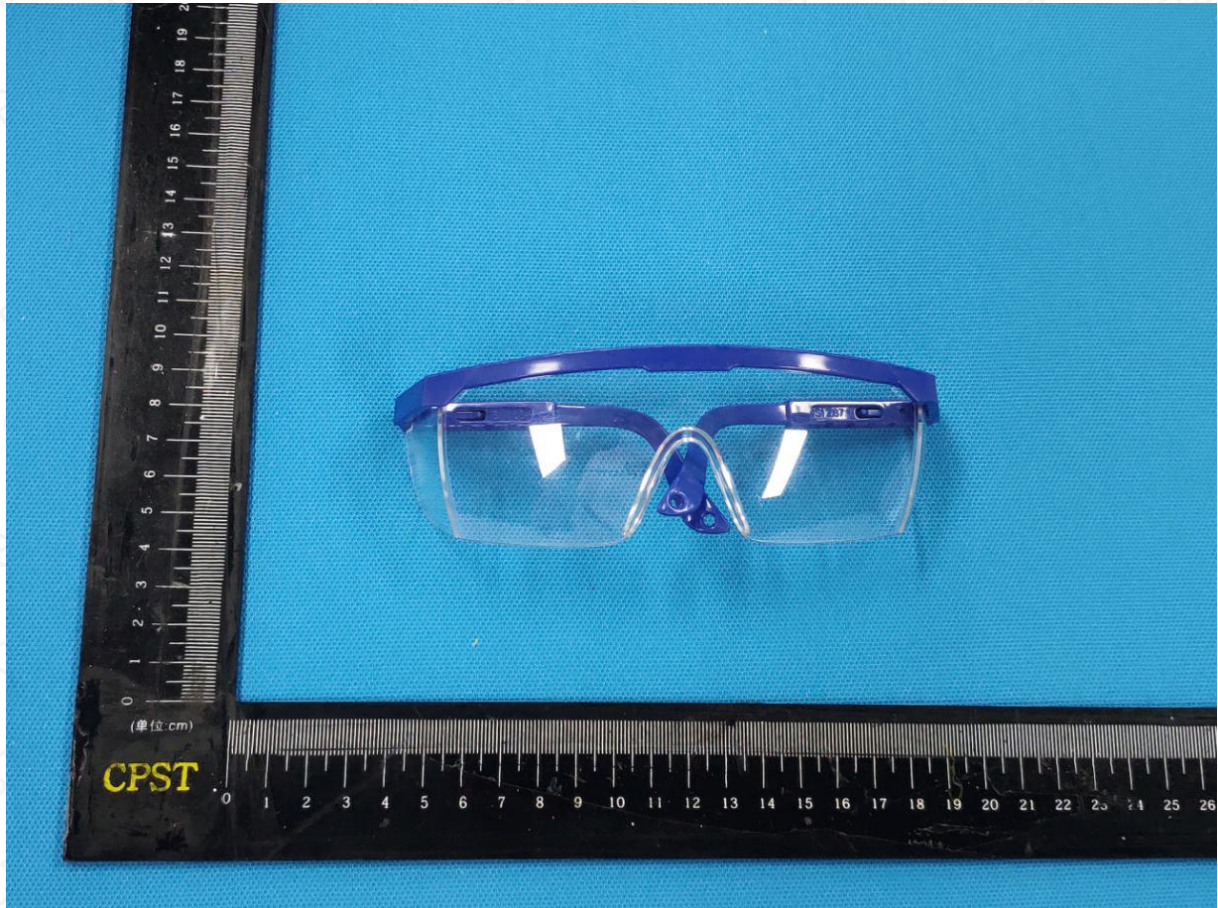
APPROVED BY:

Will Pan

Pan Jian Ding, Will
Technical Supervisor

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Photo of the Submitted Sample



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Test Result(s):

Description of Specimen : No.1 Screw
 No.2 Transparent plastic
 No.3 Blue plastic

1. Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs and PBDEs—RoHS Directive 2011/65/EU Annex II amending Annex (EU)2015/863 and amending Annex (EU)2017/2102

Test Items	Unit	Test Method	Result			MDL	Limit
			No.1	No.2	No.3		
Lead (Pb)	mg/kg	IEC 62321-5:2013, ICP-OES	N.D.	N.D.	N.D.	2	1000
Mercury (Hg)	mg/kg	IEC 62321-4:2013+A1:2017, ICP-OES	N.D.	N.D.	N.D.	2	1000
Cadmium(Cd)	mg/kg	IEC 62321-5:2013, ICP-OES	N.D.	N.D.	N.D.	2	100
Hexavalent Chromium (CrVI)	µg/cm ²	IEC 62321-7-1:2015, UV-VIS	N.D.	-	-	0.10	0.10
	mg/kg	IEC 62321-7-2:2017, UV-VIS	-	N.D.	N.D.	2	1000
Monobromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	-	N.D.	N.D.	5	-
Dibromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	-	N.D.	N.D.	5	-
Tribromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	-	N.D.	N.D.	5	-
Tetrabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	-	N.D.	N.D.	5	-
Pentabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	-	N.D.	N.D.	5	-
Hexabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	-	N.D.	N.D.	5	-
Heptabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	-	N.D.	N.D.	5	-
Octabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	-	N.D.	N.D.	5	-
Nonabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	-	N.D.	N.D.	5	-
Decabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	-	N.D.	N.D.	5	-
Sum of PBBs	mg/kg	-	-	N.D.	N.D.	-	1000
Monobromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	-	N.D.	N.D.	5	-
Dibromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	-	N.D.	N.D.	5	-
Tribromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	-	N.D.	N.D.	5	-
Tetrabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	-	N.D.	N.D.	5	-
Pentabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	-	N.D.	N.D.	5	-
Hexabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	-	N.D.	N.D.	5	-
Heptabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	-	N.D.	N.D.	5	-
Octabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	-	N.D.	N.D.	5	-
Nonabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	-	N.D.	N.D.	5	-
Decabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	-	N.D.	N.D.	5	-
Sum of PBDEs	mg/kg	-	-	N.D.	N.D.	-	1000

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Note:

1. mg/kg = milligram per kilogram=ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit
4. “-” = Not Regulated
5. Boiling-water-extraction:
 Negative = Absence of Cr(VI) coating / surface layer: the detected concentration in boiling-water-extraction solution is less than 0.10µg with 1cm² sample surface area.
 Positive = Presence of Cr(VI) coating / surface layer: the detected concentration in boiling-water-extraction solution is greater than 0.13µg with 1cm² sample surface area.
 Inconclusive =the detected concentration in boiling-water-extraction solution is greater than 0.10µg and less than 0.13µg with 1cm² sample surface area.
6. Positive = result be regarded as not comply with RoHS requirement
7. Negative = result be regarded as comply with RoHS requirement

Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP) Content—RoHS Directive 2011/65/EU Annex II amending Annex (EU)2015/863 and amending Annex (EU)2017/2102

Test method: With reference to IEC 62321-8:2017, analysis was performed by GC-MS.

Test Items	Unit	Result		MDL	Limit
		No.2	No.3		
Di-(2-ethylhexyl) phthalate (DEHP)	mg/kg	N.D.	N.D.	50	1000
Benzylbutyl phthalate (BBP)	mg/kg	N.D.	N.D.	50	1000
Dibutyl phthalate (DBP)	mg/kg	N.D.	N.D.	50	1000
Diisobutyl phthalate(DIBP)	mg/kg	N.D.	N.D.	50	1000

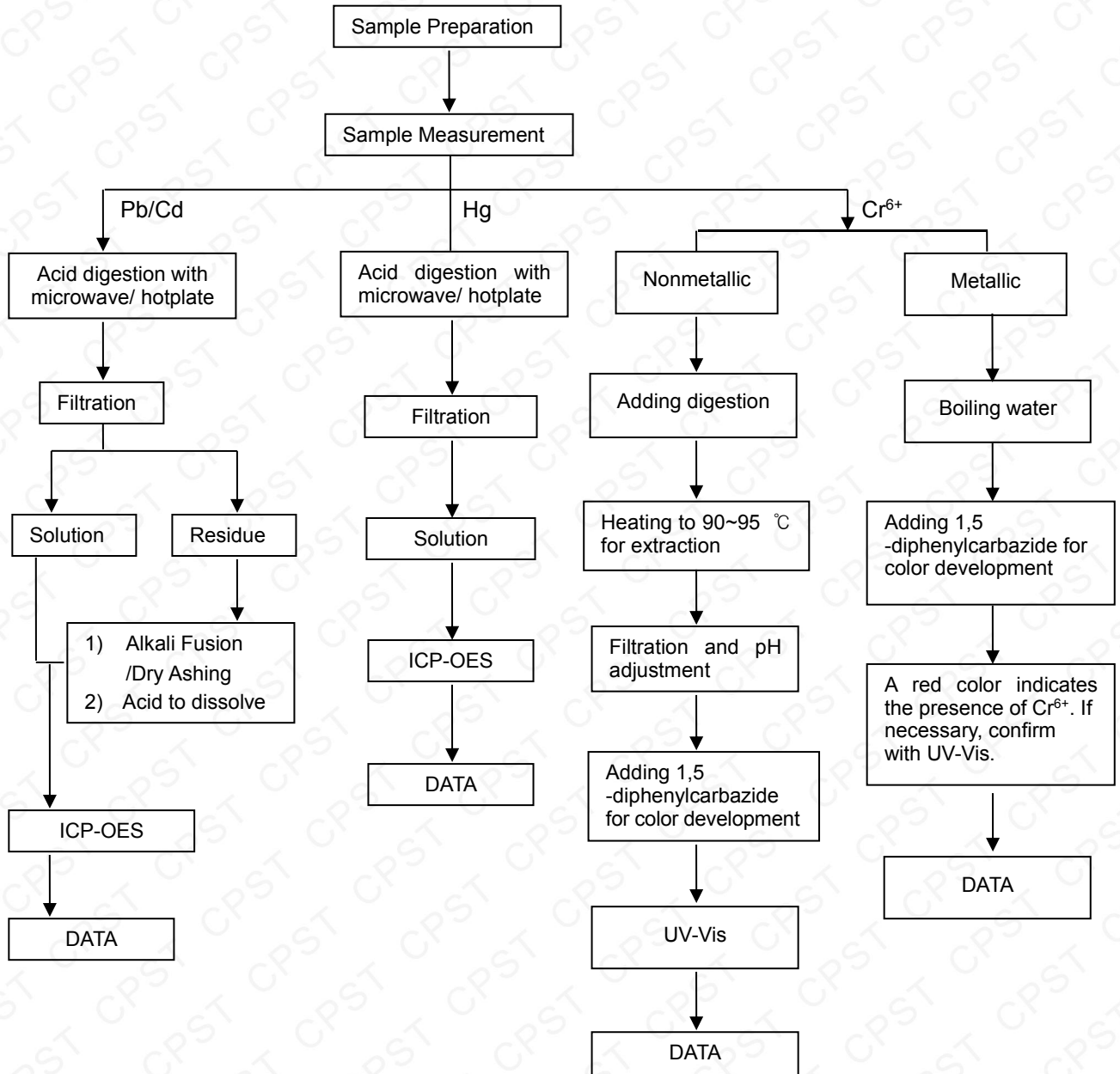
Note:

1. mg/kg = milligram per kilogram = ppm
2. N.D. = Not Detected (<MDL)
3. MDL = Method detection limit

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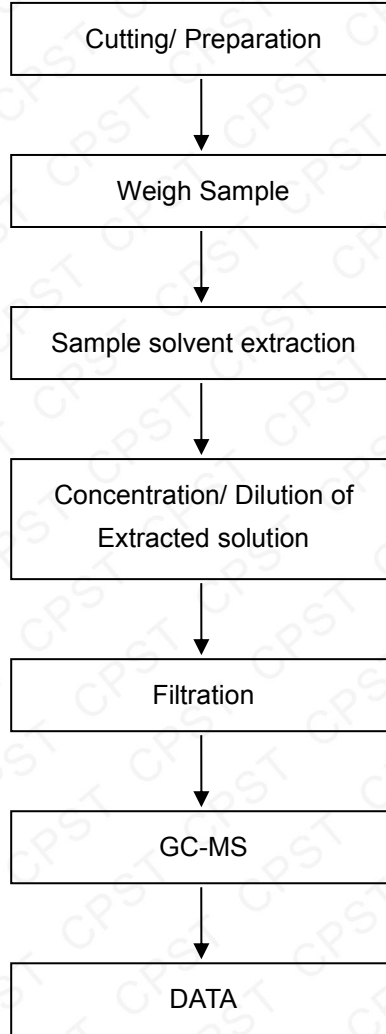
Pb/Cd/Hg/Cr⁶⁺ Testing Flow Chart

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.
(Cr⁶⁺ test method excluded)



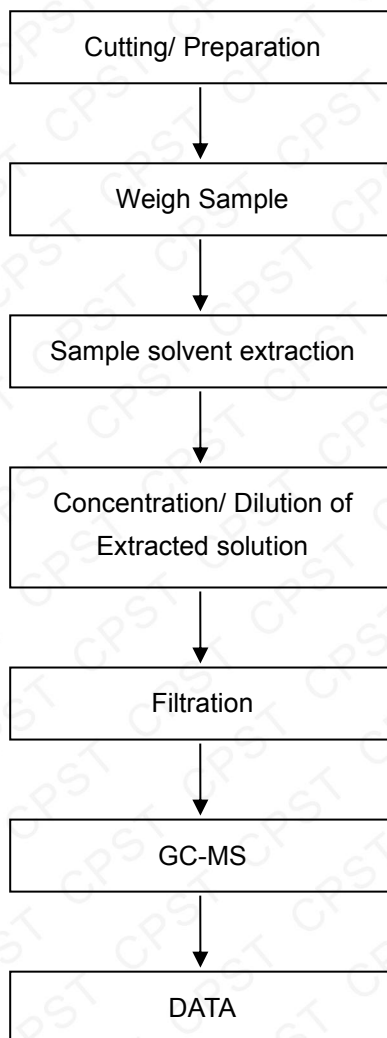
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PBBs/PBDEs Testing Flow Chart



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Phthalates Testing Flow Chart



*** End of Report ***

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