

TEST REPORT



Report No.: A2002051-C01-R01

Date: March 06, 2020

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Applicant: Shenzhen Lezheng Technology Co., Ltd
Address: B building H block, North Industrial Park, LuoYan Street, Baoan District, Shenzhen City.

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client:

Sample Name: Silicone mask
Lot No.: 2020022401
Model No.: S8/S8Pro/S9
Manufacturer: Shenzhen Lezheng Technology Co., Ltd
Sample Received Date: February 26, 2020
Testing Period: February 26, 2020 – March 06, 2020
Test Method & Test Result: Please refer to following pages.

Test Requested

As specified by client, according to RoHS Directive 2011/65/EU with amendment (EU) 2015/863 to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs), Phthalates (Dibutyl phthalate(DBP), Benzylbutyl phthalate(BBP), Di-2-ethylhexyl phthalate(DEHP) and Diisobutyl phthalate(DIBP) in the tested materials of the submitted sample(s).

Result

Pass

Tested by:

Tony Gmy

Approved by:

Dinglin

Reviewed by:

Anne Zhao

Date of issue:

March 06, 2020



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Tested Sample Description

No.	Description	Material name	Lot No.	Model No.
1	Milky silicon	Silicone mask/ vent valve silicone/ silicone rope/ Silicone for air inlet valve	2020022401	S8
2	Colorless transparent plastic	Upper and lower cover of screen support/air outlet valve support	2020022401	S8
3	Green non-woven fabric	Antibacterial cloth	2020021602	S8/S8Pro/S9
4	White melt-blown fabric	N95 HEPA	2020021502	S8/S8Pro/S9
5	White filtering cotton	Electrostatic cotton	2020021503	S8/S8Pro/S9
6	White non-woven fabric	Non-woven fabric	2020021601	S8/S8Pro/S9

Test method

Tested Item(s)	Test Method	Measured Equipment(s)
Lead (Pb)	IEC 62321-5:2013	ICP-OES
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017	ICP-OES
Hexavalent Chromium (Cr(VI))	IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013	UV-Vis/ ICP-OES
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS
Phthalates(DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS

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Test Result

Tested Item(s)	Result (mg/kg)				MDL (mg/kg)	EU RoHS Limit (mg/kg)
	No.1	No.2	No.3	No.4		
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	2	1000
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	2	100
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	2	1000
Hexavalent Chromium (Cr(VI))	N.D.	N.D.	N.D.	N.D.	8	1000
Polybrominated Biphenyls(PBBs)	N.D.	N.D.	N.D.	N.D.	5	1000
Polybrominated Diphenyl Ethers (PBDEs)	N.D.	N.D.	N.D.	N.D.	5	1000
Dibutyl phthalate(DBP)	N.D.	N.D.	N.D.	N.D.	50	1000
Benzylbutyl phthalate(BBP)	N.D.	N.D.	N.D.	N.D.	50	1000
Di-2-ethylhexyl phthalate(DEHP)	N.D.	N.D.	N.D.	N.D.	50	1000
Diisobutyl phthalate(DIBP)	N.D.	N.D.	N.D.	N.D.	50	1000

Tested Item(s)	Result (mg/kg)		MDL (mg/kg)	EU RoHS Limit (mg/kg)
	No.5	No.6		
Lead (Pb)	N.D.	N.D.	2	1000
Cadmium (Cd)	N.D.	N.D.	2	100
Mercury (Hg)	N.D.	N.D.	2	1000
Hexavalent Chromium (Cr(VI))	N.D.	N.D.	8	1000
Polybrominated Biphenyls(PBBs)	N.D.	N.D.	5	1000
Polybrominated Diphenyl Ethers (PBDEs)	N.D.	N.D.	5	1000
Dibutyl phthalate(DBP)	N.D.	N.D.	50	1000
Benzylbutyl phthalate(BBP)	N.D.	N.D.	50	1000
Di-2-ethylhexyl phthalate(DEHP)	N.D.	N.D.	50	1000
Diisobutyl phthalate(DIBP)	N.D.	N.D.	50	1000

Remark: MDL = Method Detection Limit
N.D. = Not Detected (<MDL)
mg/kg = ppm = parts per million

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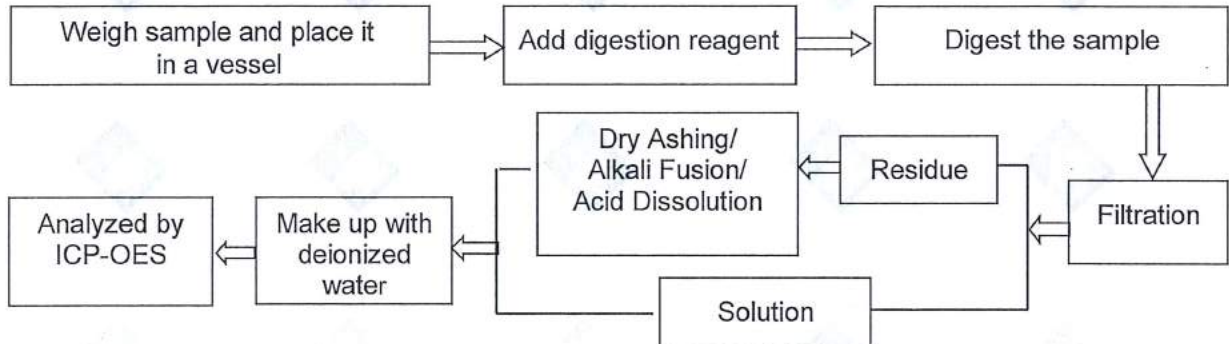
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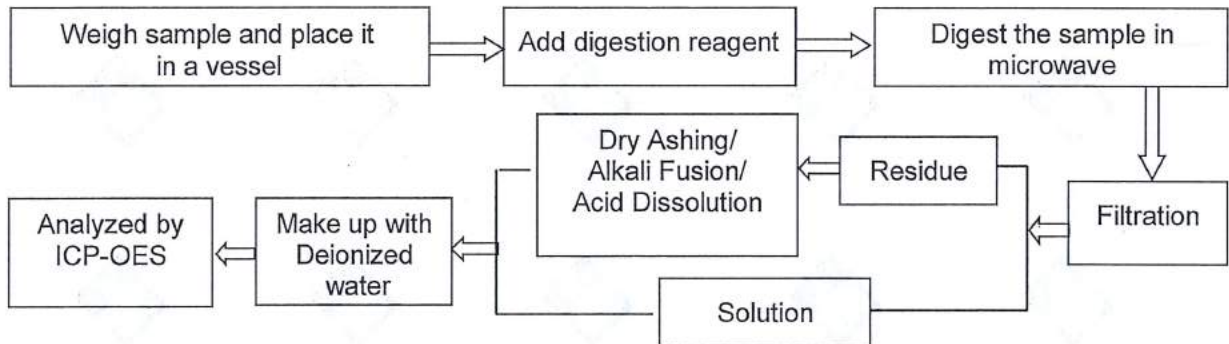
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Test Process

1. Lead(Pb), Cadmium(Cd), Chromium(Cr)

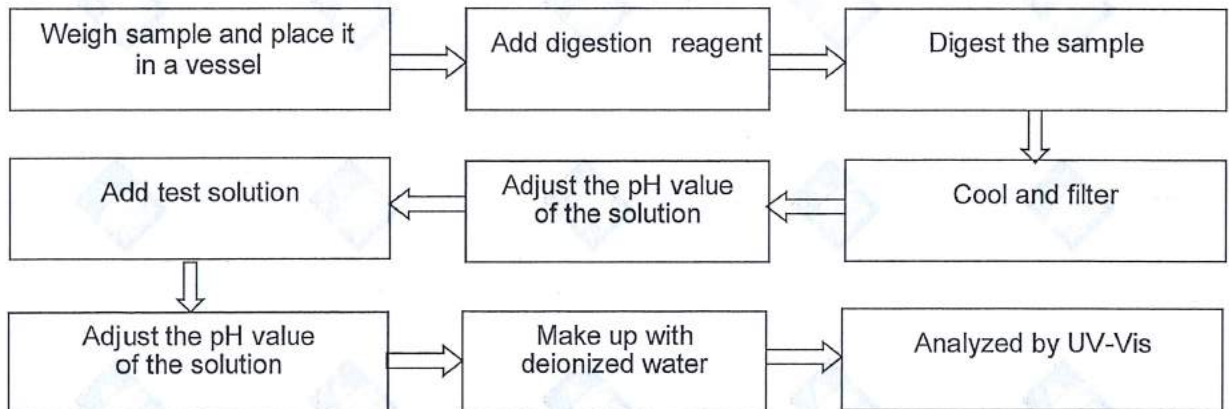


2. Mercury(Hg)



3. Hexavalent Chromium (Cr (VI))

(1) IEC 62321-7-2:2017



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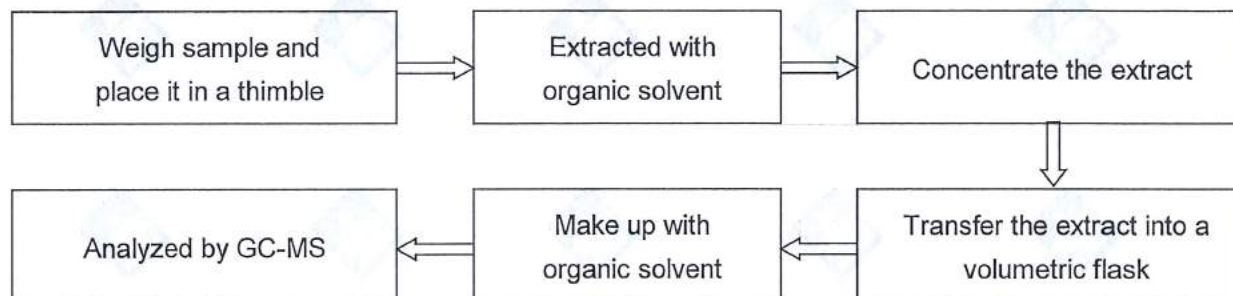


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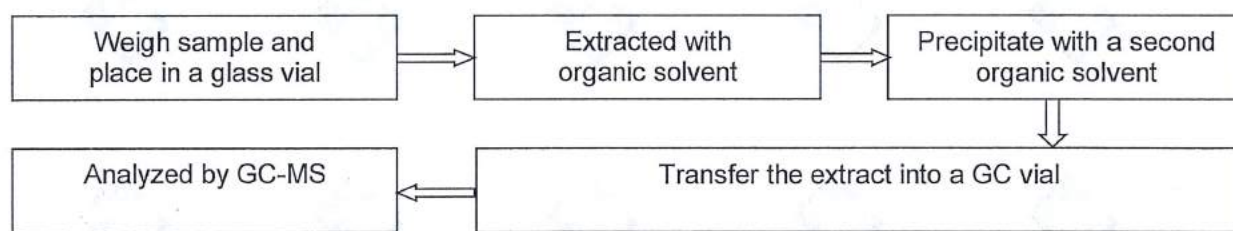
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4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



5. Phthalates(DBP/BBP/DEHP/DIBP)



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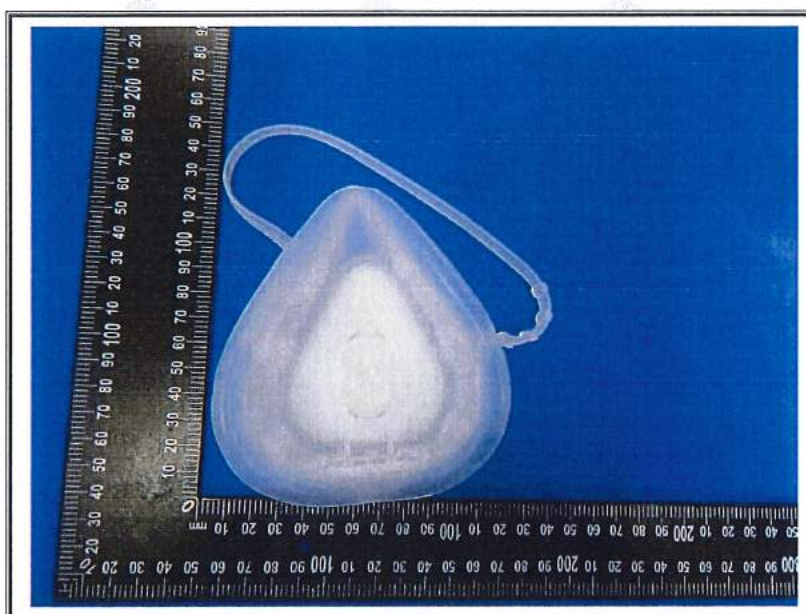
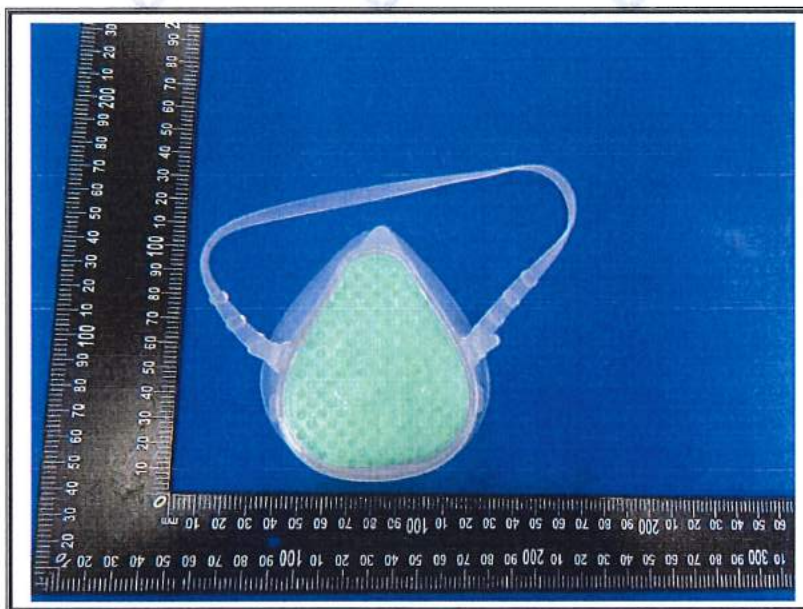


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Tested sample photo(s)



Shenzhen Alpha Product Testing Co., Ltd.

Building i, No.2, Lixin Road, Fuyong Street, Bao'an District, 518103, Shenzhen, Guangdong, China

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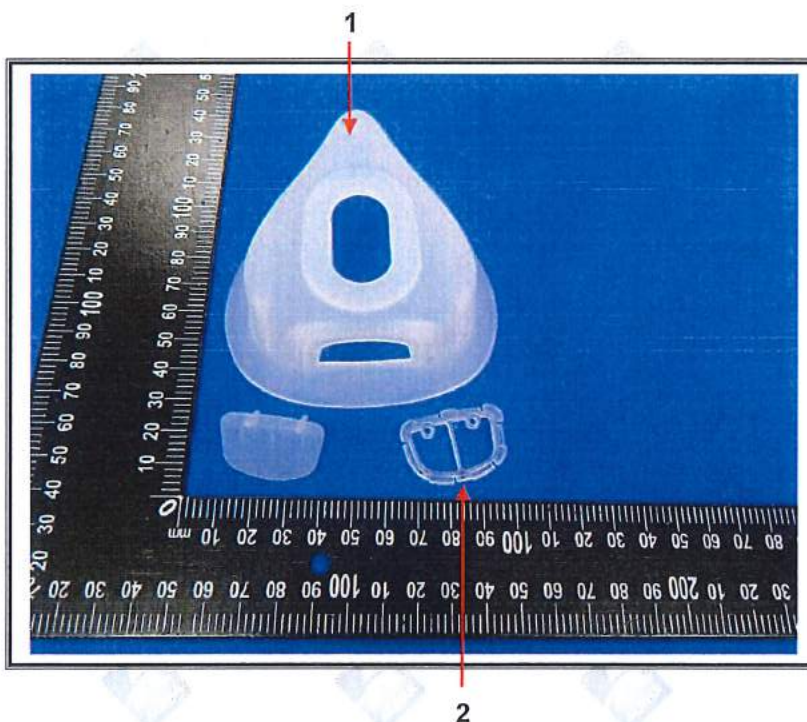
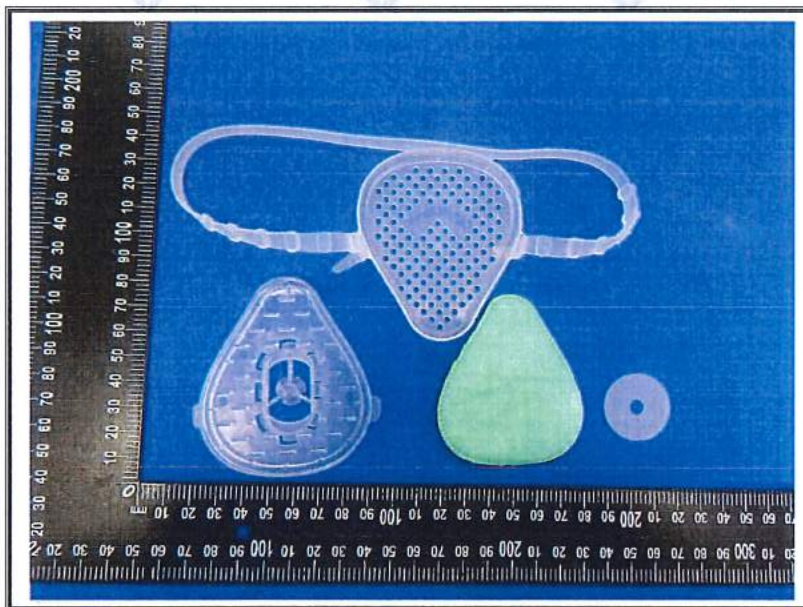


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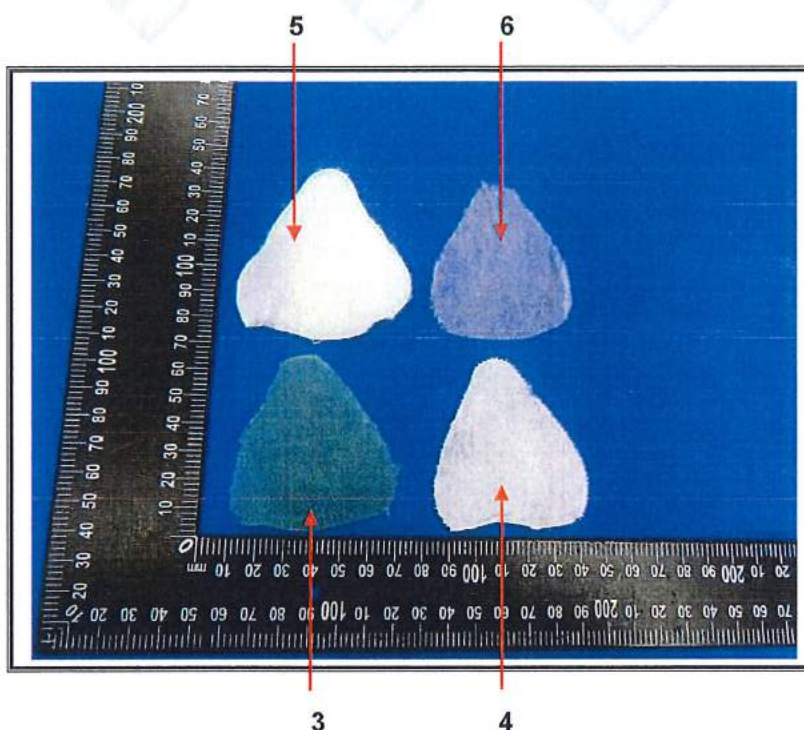


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Tested sample photo(s)



--- End of report ---

Statement:

1. The sample(s) and sample Information was/were provided by the client who should be responsible for the authenticity which ALPHA hasn't verified;
2. The result(s) shown in this report refer(s) only to the sample(s) tested;
3. Without written approval of ALPHA, this report can't be reproduced except in full.

Shenzhen Alpha Product Testing Co., Ltd.

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