



Test Report

No.: S240129059003-1

Date: Feb 01, 2024

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Customer: Ningbo BODI Seals Co.,Ltd

Customer Address: 1128 Building A, JiuWu Busi, No.598, JiangNan Road, High-Tech, Ningbo, China

Sample Name: FEP/Silicone O-ring

The above samples and information are provided by the customer

Sample Received Date: Jan 29, 2024

Test Period: Jan 29, 2024 to Feb 01, 2024

Test Requirements: Test according to customer requirement

Test Method: Please refer to next page(s)

Test Result: Please refer to next page(s)

Result Summary:

Test Requested	Conclusion
1.RoHS Directive 2011/65/EU Annex II amending Directive (EU)2015/863 —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

WRITTEN BY

Zooey Zhang

REVIEWED BY

Kira Fu

**Soar Testing Certification
(GuangDong) Co., Ltd.**

APPROVED BY

Frank Wu
Approved Signatory

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Lab name: Soar Testing Certification (GuangDong) Co., Ltd.
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E-mail: service@soar-cert.com

Website: <http://www.soartestlab.com>

**Test Result(s):****Description of test sample:****Sample No. Description**

No.1 Red silicone O-ring

1.RoHS Directive 2011/65/EU Annex II amending Directive (EU)2015/863 - Lead, Cadmium, Mercury, Hexavalent Chromium, Polybrominated biphenyl(PBBs) and Polybrominated diphenyl ethers(PBDEs), Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate(DIBP)

Test method: With reference to IEC 62321-4:2013+A1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC62321-6:2015 and IEC 62321-8:2017, analysis was performed by ICP-OES,UV-Vis and GC-MS.

Test Items	Limit	Unit	MDL	No.1
Lead (Pb)	1000	mg/kg	2	N.D.
Mercury (Hg)	1000	mg/kg	2	N.D.
Cadmium(Cd)	100	mg/kg	2	N.D.
Hexavalent Chromium (CrVI)	1000	mg/kg	2	N.D.
Sum of Polybrominated biphenyls(PBBs)	1000	mg/kg	-	N.D.
Sum of Polybrominated diphenyl ethers(PBDEs) .	1000	mg/kg	-	N.D.
Monobromobiphenyl	-	mg/kg	5	N.D.
Dibromobiphenyl	-	mg/kg	5	N.D.
Tribromobiphenyl	-	mg/kg	5	N.D.
Tetrabromobiphenyl	-	mg/kg	5	N.D.
Pentabromobiphenyl	-	mg/kg	5	N.D.
Hexabromobiphenyl	-	mg/kg	5	N.D.
Heptabromobiphenyl	-	mg/kg	5	N.D.
Octabromobiphenyl	-	mg/kg	5	N.D.
Nonabromobiphenyl	-	mg/kg	5	N.D.
Decabromobiphenyl	-	mg/kg	5	N.D.
Monobromodiphenyl ether	-	mg/kg	5	N.D.
Dibromodiphenyl ether	-	mg/kg	5	N.D.
Tribromodiphenyl ether	-	mg/kg	5	N.D.
Tetrabromodiphenyl ether	-	mg/kg	5	N.D.
Pentabromodiphenyl ether	-	mg/kg	5	N.D.
Hexabromodiphenyl ether	-	mg/kg	5	N.D.
Heptabromodiphenyl ether	-	mg/kg	5	N.D.
Octabromodiphenyl ether	-	mg/kg	5	N.D.
Nonabromodiphenyl ether	-	mg/kg	5	N.D.

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Decabromodiphenyl ether	-	mg/kg	5	N.D.
Dibutyl phthalate (DBP)	1000	mg/kg	50	N.D.
Benzylbutyl phthalate (BBP)	1000	mg/kg	50	N.D.
Di-(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	84
Diisobutyl phthalate(DIBP)	1000	mg/kg	50	N.D.

- Note:
1. mg/kg = milligram per kilogram = ppm
 2. N.D. = Not Detected (< MDL)
 3. MDL = Method Detection Limit
 4. "-" = Not Regulated

Remark: As specified by applicant, to test content in the selected materials of the submitted samples. The test results are only responsible for the submitted sample. The test report is only for customer research, teaching, internal quality control, product development and other purposes, for reference only.

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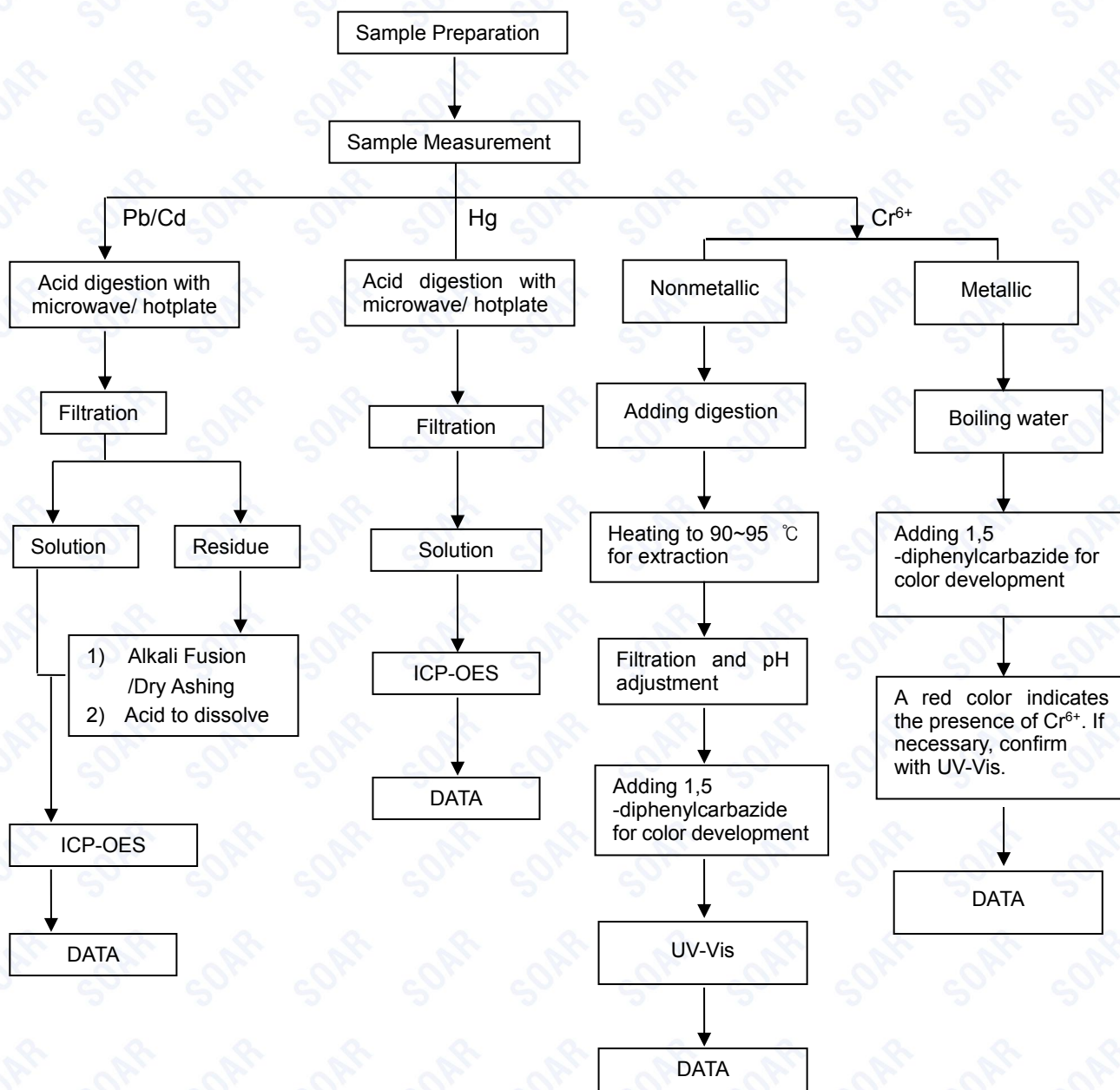
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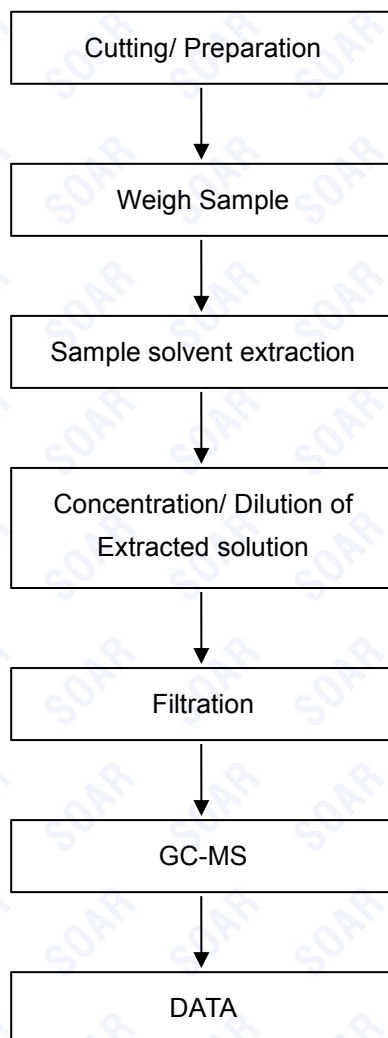
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Pb/Cd/Hg/Cr⁶⁺ Testing Flow Chart

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



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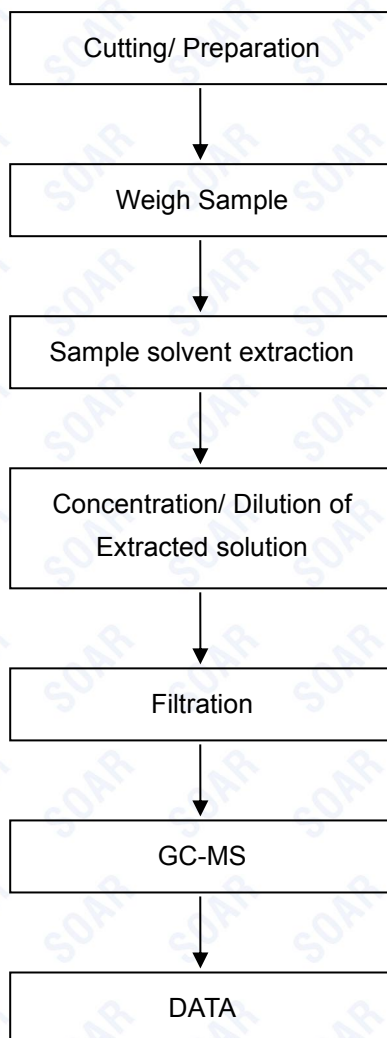
PBBs/PBDEs Testing Flow Chart

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Phthalates Testing Flow Chart

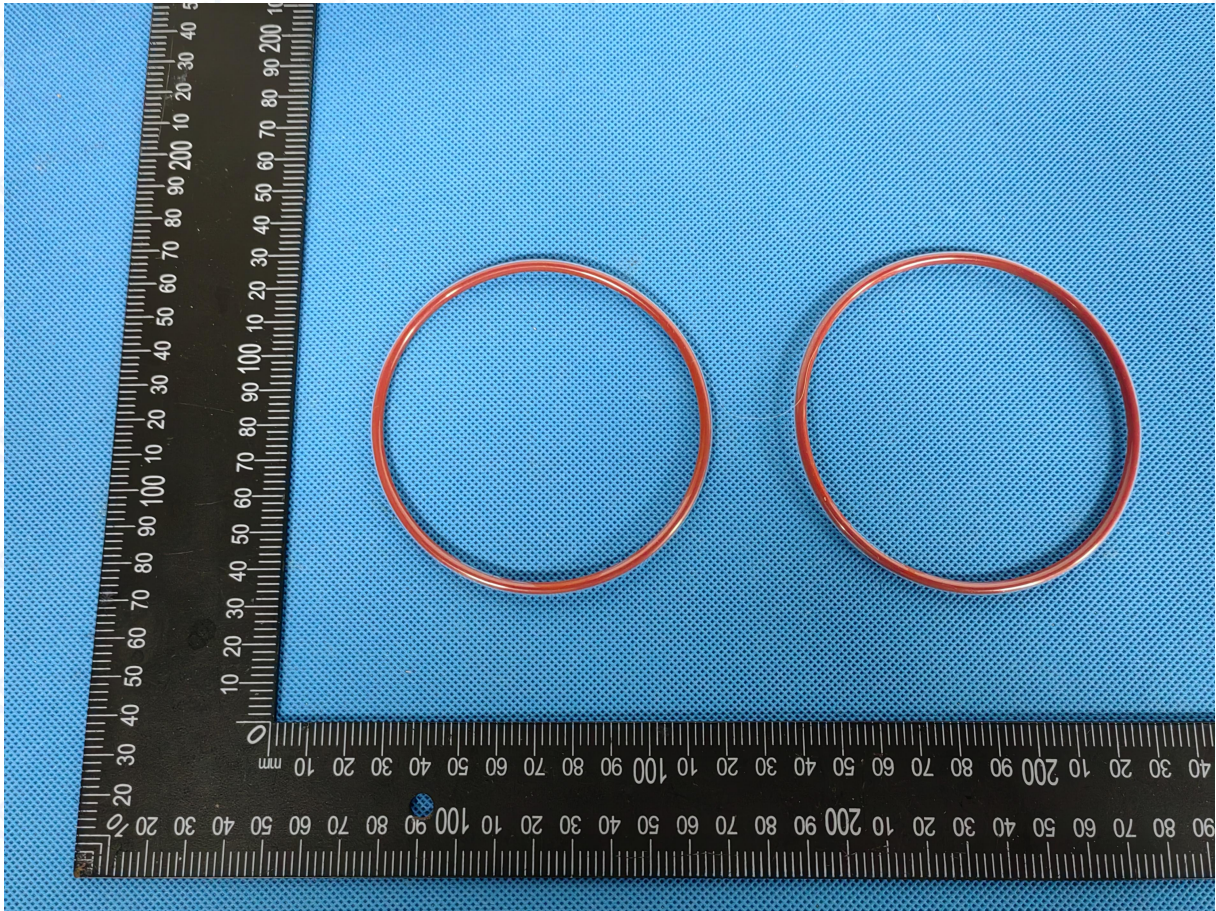
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Photo of the Sample:

The photo is for use with SOAR original report only.

*** End of Report ***

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