



Test Report

No.: S240129059001-7

Date: Feb 01, 2024

Page 1 of 4

Customer: Ningbo BODI Seals Co.,Ltd

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

Sample Name: FEP/FKM 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
Regulation (EC) No 1935/2004 and Council of Europe Resolution AP (2004)5	
1. Overall migration	<b>PASS</b>

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APPROVED BY

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Inspection & Testing Services  
Approved signatory

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**Test Result(s):****Description of test sample:**

Sample No.	Description
No.1	Black rubber O-ring

**1.Overall migration**

Test Method: To refer to the EN 1186-1:2002 &amp; EN 1186-3:2022.

Test Items	Test condition	Requirement	Unit	No.1		
				The first	The second	The third
Maximum extractable fraction in 3% Acetic Acid	100°C, 0.5h	10	mg/dm <sup>2</sup>	<3.0	<3.0	<3.0
Maximum extractable fraction in 10% ethanol		10	mg/dm <sup>2</sup>	<3.0	<3.0	<3.0
Maximum extractable fraction in 50% ethanol		10	mg/dm <sup>2</sup>	<3.0	<3.0	<3.0
Maximum extractable fraction in Olive oil substitute-95% ethanol		10	mg/dm <sup>2</sup>	<3.0	<3.0	<3.0

Note: mg/dm<sup>2</sup> = milligram per square decimeter < = less than

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**Note:**

According to Regulation (EU) No 10/2011 and its amendment (EU) 2020/1245, for repeated use materials and articles:

1) The applicable overall migration test shall be carried out three times on a single sample. The overall migration in the second test shall be lower than in the first test, and the overall migration in the third test shall be lower than in the second test. Compliance with the overall migration limit shall be verified on the basis of the level of the overall migration found in the third test.

2) Specific migration test(s) shall be carried out three times on a single sample. Compliance shall then be verified on the basis of the level of the migration found in the third test and on the basis of the stability of the material or article from the first to the third migration test. The stability of the material shall be considered insufficient if migration is observed above the level of detection in any of the three migration tests, and increases from the first migration test to the third migration test. In case of insufficient stability, compliance of the material shall not be established even in case the specific migration limit is not exceeded in any of the three tests. Irrespective of the above rules, a material or article shall never be considered to comply with the Regulation if in the first test a substance that is prohibited from migrating or from being released in detectable quantities.

**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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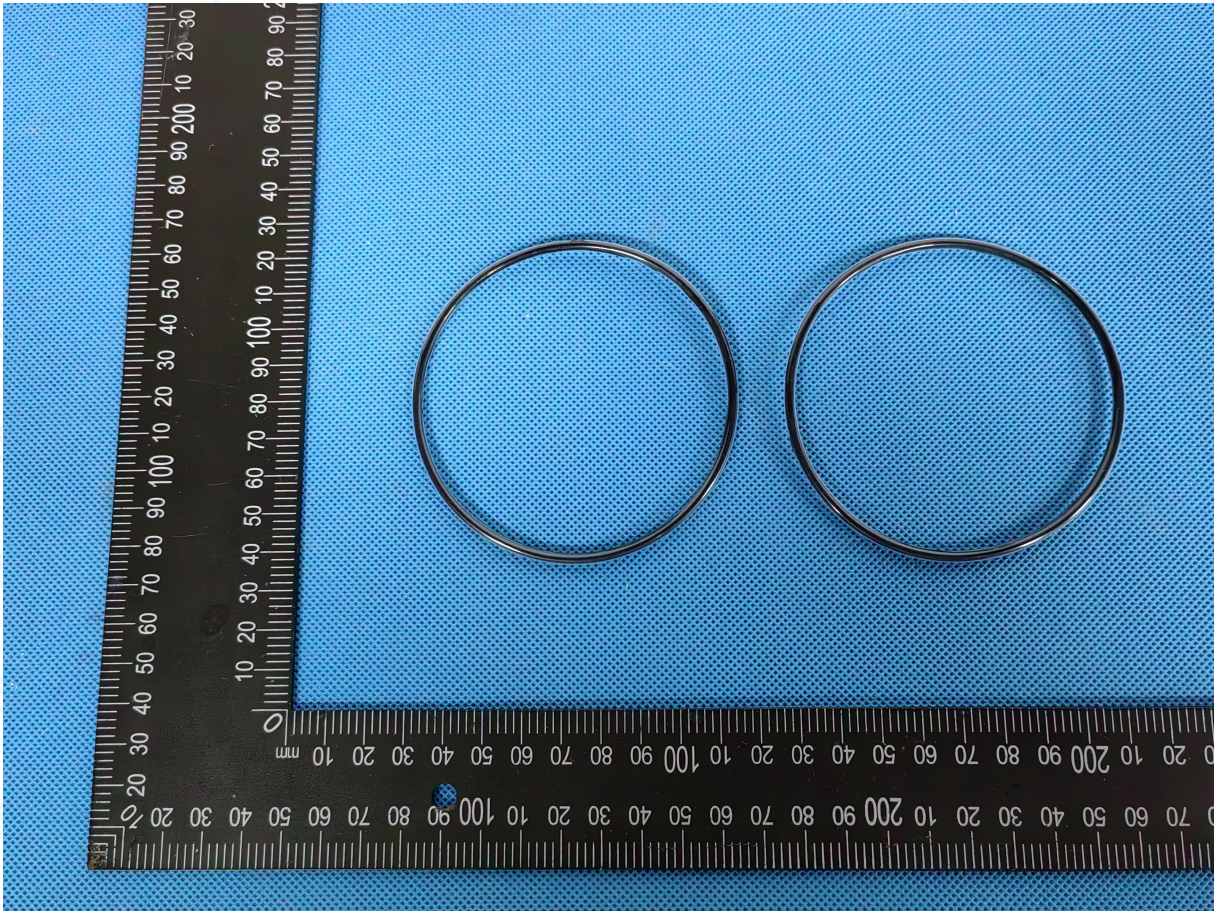
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**Photo of the Sample:**



The photo is for use with SOAR original report only.

\*\*\* End of Report \*\*\*

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