



**BUREAU
VERITAS**

TEST REPORT

Technical Report : (6619) 301-2154
DATE : November 12, 2019
PAGE : 1 OF 3

APPLICANT:

LINHAI CITY LVYIN SILICON RUBBER TECHNOLOGY CO., LTD.
SANDONGQIAO VILLAGE, JIANGNAN STREET, LINHAI CITY, TAIZHOU, ZHEJIANG

Date of Submission: October 28, 2019
Test Period: October 28, 2019 to November 12, 2019

Sample Description: Sample(s) received is/are stated to be:
A) SILICONE RUBBER RING

Test Item(s): Details see page 3

| | |
|-----------------|---|
| Color: / | Model No./ Style No(s): / |
| Age Grade: / | PO No.: / |
| Vendor: / | Supplier Reference: / |
| Manufacturer: / | Country of Origin: China |
| End Buyer: / | Country of Destination: Oversea Country |

SUMMARY OF TEST RESULTS

| TEST REQUESTED | CONCLUSION |
|---|------------|
| Specific Migration of Coloring for Silicon in Contact with Foodstuffs – Decreto Ministeriale del 21/3/1973, Capo I – Oggetti di materie plastiche | PASS |
| Specific Migration of Primary Aromatic Amine for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 10/2011 and Its Amendments | PASS |
| Volatile Organic Matter | PASS |

Note: 1) The tested part of the sample was specified by client.
2) The test requested was specified by client.
3) The test conclusion was given based on the results of tested part.
4) Selected test was specified by client.

REMARK

If there are questions or concerns on this report, please contact the following persons:

General enquiry and invoicing

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**BUREAU VERITAS
CONSUMER PRODUCTS SERVICES DIVISION (SHANGHAI)**

Laboratory Test Location:
No.368,Guangzhong Road, Zhuanqiao Town, Minhang, Shanghai
No.168,Guanghua Road, Zhuanqiao Town, Minhang, Shanghai

Connie Li

PREPARED BY : Minnie

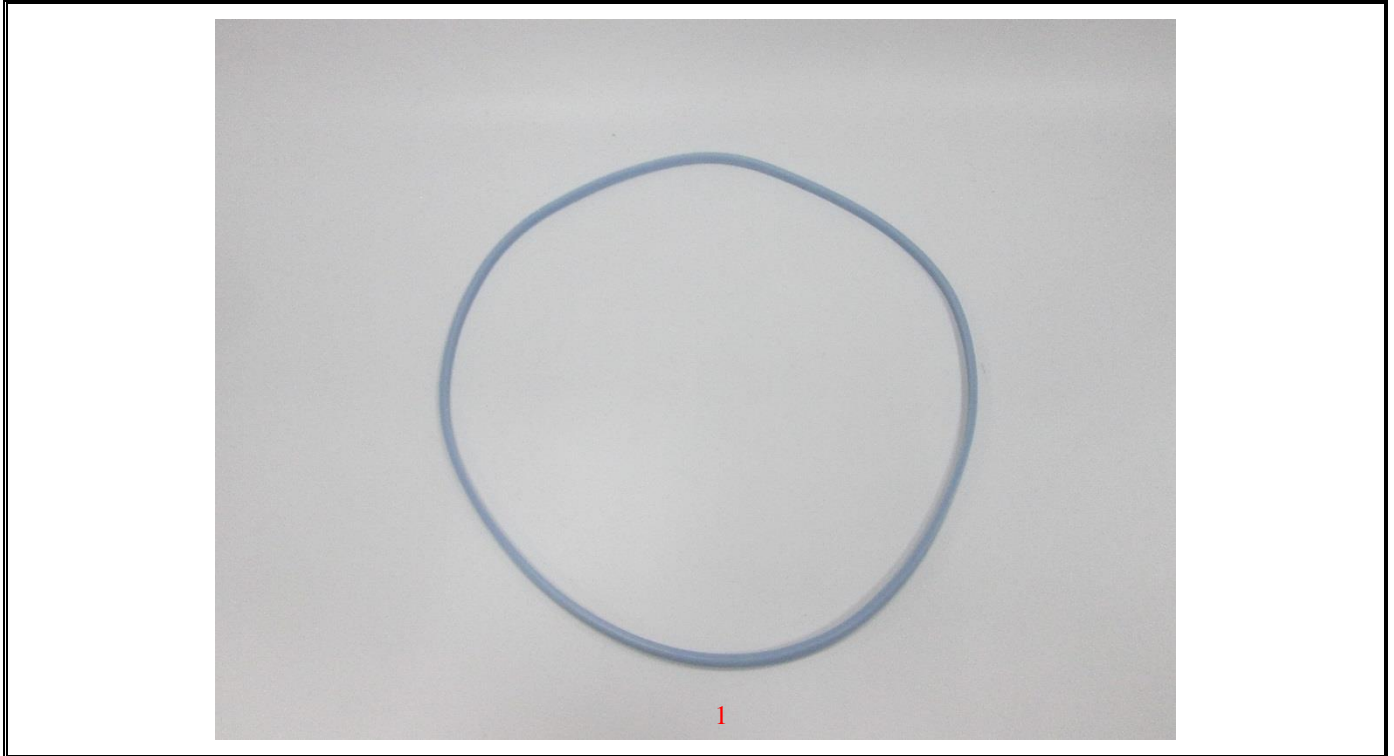
Connie Li
Technical Specialist



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Photo of the Submitted Sample





TEST RESULT

Sample Description Assigned by Laboratory:

| Test Item | Description | Client Claimed Material |
|-----------|-------------------|-------------------------|
| 1 | Blue soft plastic | Silicone |

I. Specific Migration of Coloring for Silicon in Contact with Foodstuffs – Decreto Ministeriale del 21/3/1973, Capo I – Oggetti di materie plastiche

Test Condition: 10 d at 40°C followed by 0.5 h at 100°C (10% Ethanol/ 3% Acetic acid)
10 d at 40°C followed by 5 h at 60°C (95% Ethanol)

| Parameter | Simulant Used | Unit | Result | Limit |
|-------------------|----------------|----------------|--------|-------|
| | | | 1 | |
| Coloring | 3% Acetic acid | % transmission | >95 | >95 |
| | 10% Ethanol | % transmission | >95 | >95 |
| | 95% Ethanol | % transmission | >95 | >95 |
| Conclusion | - | - | PASS | - |

Note: “>” = more than

Method: Ministeriale del 21/3/1973 Allegato IV, Sez. VII.

Remark: The test condition and simulant used were specified by client.

II. Specific Migration of Primary Aromatic Amine for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 10/2011 and Its Amendments

Test Condition: 10 d at 40°C followed by 0.5 h at 100°C (3% Acetic acid)

| Parameter | Simulant Used | Unit | Result | Maximum Allowable Limit |
|---------------------------|----------------|-----------------|--------|-------------------------|
| | | | 1 | |
| Food contact surface area | - | dm ² | 0.60 | - |
| Volume of stimulant used | - | mL | 100 | - |
| Primary Aromatic Amine | 3% Acetic acid | mg/kg | <0.01 | 0.01 |
| Conclusion | - | - | PASS | - |

Note: “<” = less than
mg/kg = milligram per kilogram

Method: EN 13130-1: 2004, LC-MS/ LC-MS/MS analysis.

Remark: 1) The migration test is carried out according to EC Regulation No. 10/2011 and the corresponding regulatory statutes.
2) The test condition and simulant used were specified by client.

III. Volatile Organic Matter

| Parameter | Unit | Result | Client's Limit |
|-------------------------|-------|--------|----------------|
| | | 1 | |
| Volatile Organic Matter | % w/w | 0.26 | 0.5 |
| Conclusion | - | PASS | - |

Note: “<” = less than
% w/w = percent weight by weight

Method: Refer to Appendix III of French Arrete 25 Nov 1992.

Remark: Selected test was specified by client.

END