

**SUBJECT** Chemical Test

**TEST LOCATION** TÜV SÜD China  
TÜV SÜD 中国

TÜV SÜD Products Testing (Shanghai) Co., Ltd.  
南德商品检测（上海）有限公司  
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**CLIENT NAME** Dongguan Diercon Technology Co., Ltd.

**CLIENT ADDRESS** Room 303, No. 12, An'li Road, Changan Town, Dongguan City, Guangdong Province, China.

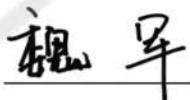
**TEST PERIOD** 11-Dec-2023~16-Jan-2024

**RESULT SUMMARY** The tested items **complied with** GB 4806.11-2016 National Food Safety Standard Rubber Materials and Articles Intended to Come into Contact with Food.

- Sensory requirements
- Overall migration
- Potassium Permanganate Consumption
- Heavy metal (as Pb)

**PASS**  
**PASS**  
**PASS**  
**PASS**

Prepared By



(Wei Jun)  
Report Drafter




**Note:** (1) General Terms & Conditions as mentioned overleaf. (2) The results relate only to the items tested.(3) The test report shall not be reproduced except in full without the written approval of the laboratory.(4) Without the agreement of the laboratory, the client is not authorized to use the test results for unapproved propaganda.

**SAMPLE SOURCE/ RECEIPT DATE / TEST DATE**

Logistics Express/ 11-Dec-2023/ 11-Dec-2023

**THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED  
BY/ ON BEHALF OF THE CLIENTS AS**

Sample Name: Gasket of silicone sport bottle  
Sample Specification: TA0301018500  
Batch No./Date: 20231206  
Manufacturer: /

SAMPLE NO.	DESCRIPTION	PHOTOGRAPH
721686473	Black sample	

**TEST RESULT(S)**

Note: The migration results in this report were tested and expressed based on repeated use articles.

1. Sensory requirements

- In accordance with GB 4806.11-2016 National Food Safety Standard Rubber Materials and Articles Intended to Come into Contact with Food.

Test Item(s)	Test Result(s)	Index	Comment
Sensory	Normal color; No abnormal odor; No dirt.	Normal color; No abnormal odor; No dirt.	PASS
Soaking solution	Soaking solutions obtained from the migration test have no coloring, no turbidity, no precipitate, no abnormal odor and other sensory deterioration.	Soaking solutions obtained from the migration test should have no coloring, no turbidity, no precipitate, no abnormal odor and other sensory deterioration.	PASS



2. Overall migration

- Test method with reference to GB 31604.1-2015 National Food Safety Standard General principles on the determination of migration tests for food contact materials and articles; GB 5009.156-2016 National Food Safety Standard General principles on the pretreatment of migration tests for food contact materials and articles 10.3 Total immersion method; GB 31604.8-2021 National Food Safety Standard Food contact materials and articles Determination of Overall migration
- Migration ratio(S/V): 6dm<sup>2</sup> /L

Simulant(s) Used	Test Condition	Result(s) [mg/dm <sup>2</sup> ]	Maximum Permissible Limit [mg/dm <sup>2</sup> ]	Comment
4% Acetic acid	40°C for 10 days	<3	10	PASS
10% Ethanol	40°C for 10 days	<3	10	PASS
50% Ethanol	40°C for 10 days	<3	10	PASS

3. Potassium Permanganate Consumption

- Test method with reference to GB 5009.156-2016 National Food Safety Standard General principles on the pretreatment of migration tests for food contact materials and articles 10.3 Total immersion method; GB 31604.2-2016 National Food Safety Standard Food contact materials and articles Determination of Consumption of potassium permanganate
- Migration ratio(S/V): 6dm<sup>2</sup> /L

Simulant(s) Used	Test Condition	Result(s) [mg/kg]	Maximum Permissible Limit [mg/kg]	Comment
Water	60°C for 0.5 hour	2.20	10	PASS

4. Heavy metal (as Pb)

- Test method with reference to GB 5009.156-2016 National Food Safety Standard General principles on the pretreatment of migration tests for food contact materials and articles 10.3 Total immersion method; GB 31604.9-2016 National Food Safety Standard Food contact materials and articles Determination of Heavy metal in food simulants The second method
- Migration ratio(S/V): 6dm<sup>2</sup> /L

Simulant(s) Used	Test Condition	Result(s) [mg/kg]	Maximum Permissible Limit [mg/kg]	Comment
4% Acetic acid	60°C for 0.5 hour	<1.0	1	PASS

-END OF THE TEST REPORT-