



SUBJECT	Chemical Test
TEST LOCATION	TÜV SÜD China TÜV SÜD Products Testing (Shanghai) Co., Ltd. B-3/4, No.1999 Du Hui Road, Minhang District Shanghai 201108, P.R. China
CLIENT NAME	Ningbo Leyang Electric Appliance Co.,Ltd
CLIENT ADDRESS	Building B,Yitao Industrial Park,Zonghan Street,Cixi City,Zhejiang Province,China
TEST PERIOD	05-Jan-2021~12-Jan-2021
TEST REQUEST	<ol style="list-style-type: none">The tested items complied with US FDA 21 CFR 177.2600 Rubber articles intended for repeated use - Distilled Water extractives 001 PASSThe tested items complied with US FDA 21 CFR 177.1520(C) 1.1a - Density 004 PASS - Melting Point 004 PASS - n-Hexane extractives at reflux temperature 002 PASS - Xylene extractives at 25°C 002 PASSThe tested items complied with General Recognized As Safe (GRAS) specification according to United State Food and Drug Administration (US FDA) Regulations on stainless steel total chromium content - Cr content 003 PASS

Prepared By

Nance Gao

(Nance Gao)
Report Drafter

Authorized By

Leo Li

(Leo Li)
Authorized Signatory



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.

RECEIPT DATE / TEST DATE

05-Jan-2021/ 05-Jan-2021

THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED

BY/ ON BEHALF OF THE CLIENTS AS

Sample Name: Stainless Steel Water Filter Bottle
Sample Specification: LY-OWF02
Batch No./Date: /
Manufacturer: Ningbo Leyang Electric Appliance Co.,Ltd

SAMPLE NO.	TEST PART	DESCRIPTION	PHOTOGRAPH
721660934-1	001	White silicone rubber	
721660934-2	002	Black plastic	
721660934-3	003	Silvery metal	
721660934-4	004	White plastic granule	



TEST RESULT(S)

1. Test for compliance with US FDA 21 CFR 177.2600
- Test method: With reference to US FDA 21 CFR 177.2600

Test Item		Result [mg/in ²]	FDA Specification [mg/in ²]
		001	
Distilled Water extractives at reflux temperature	First 7 hours	<0.1	20
	Succeeding 2 hours	<0.1	1

2. Test for compliance with US FDA 21 CFR 177.1520
- Test method: With reference to US FDA 21 CFR 177.1520 (C) 1.1a

Test Item	Result(s)	FDA Specification
	002	
n-Hexane extractives at reflux temperature, w/w (%)	0.292	6.4
Xylene extractives (%) at 25°C, w/w (%)	0.849	9.8

Test Item	Result(s)	FDA Specification
	004	
Density at 23°C (g/cc)	0.898	0.880-0.913
Melting Point (°C)*	164.2	160-180

Note: 1. Specification is quoted from US FDA 21 CFR Part 177.1520 (C) 1.1a Polypropylene
2. * denotes this test was carried out by external laboratory assessed as competent.

3. Cr content *
- Test method: Sample was digested by acid, then acid solution was analyzed by ICP-OES.

Test Item(s)	Result(s) [%]	Limit [%]
	003	
Cr content	18.06	Not less than 16%

Note: 1. * denotes this test was carried out by external laboratory assessed as competent



The whole product



Note: This report is for internal use only such as internal scientific research, education, quality control, product R&D.

-END OF THE TEST REPORT-

