

Test Report

Testing institute : Product Technology Service (Ningbo) Co., Ltd.
5-7F, 59#, Huayu Road, Yinzhou District, Ningbo, Zhejiang

Applicant : NINGBO XUNSHI IM/EXPORT CO.,LTD.
RM2006, BUILDING NO.42, YINRUNHAOJING BUSINESS SQUARE,
WANGCHUN STREET, HAISHU DISTRICT, NINGBO CHINA

Product name : Sport Bottle

Model/type : /

Order No. : /

Material : /

Sample receive date : Apr.21,2021

Completes date : Apr.25,2021

Test specification(s)	Conclusion
1. Selected tests for the suitability for contact with foodstuffs in accordance with German § 30 and § 31 LFGB with amendments, BfR Recommendation	
1.1-Overall migration	Pass
1.2-Specific migration of heavy metals	Pass

Signed for and on behalf of
Product Technology Service (Ningbo) Co., Ltd.



Authorizer: Dawei Wei

The test results exclusively refer to the samples examined. The test report is only used for scientific research, teaching or internal quality control. This report shall not be reproduced except in full without written approval and does not authorize the use of Product Technology Service (Ningbo) Co., Ltd. label. The report is invalid without signature and seal of Product Technology Service (Ningbo) Co., Ltd.

Product name

No.	Name	Part No.	Part Name
1	Sport Bottle	1-1	Cup coating

1.1.Test specification : Overall migration

Test method : EN1186-1:2002: for selection of conditions and test methods
EN1186-3:2002: aqueous food simulants by total immersion

Requirement : COMMISSION REGULATION (EU) No 10/2011 and its amendments

Product name: 1-1.Cup coating							
Simulant used	Test condition	Unit	Maximum permissible Limit	Detection Limit	Result		
					1st test	2nd test	3rd test
10% ethanol	2 hours at 70°C	mg/dm ²	10	3.0	ND	ND	ND
3% acetic acid	2 hours at 70°C	mg/dm ²	10	3.0	ND	ND	ND
Conclusion	--				Pass	Pass	Pass
Stability of the migration test	--				Pass		

Note:

- 1) mg/dm²=milligram per square decimeter
- 2) ND=Not Detected(<Detection Limit)
- 3) The three results decrease one by one

1.2.Test specification : Specific migration of heavy metals

Test method : With reference to Regulation (EU) 10/2011 for selection of test condition and EN 13130-1:2004 for test preparation method; analysis was performed by ICP-MS.

Requirement : COMMISSION REGULATION (EU) No 10/2011 and its amendments

Product name: 1-1.Cup coating						
Test condition:		Sample preparation in 3% acetic acid at 70°C for 2 hours				
Parameter	Unit	Maximum permissible Limit	Detection Limit	Result		
				1st test	2nd test	3rd test
Barium(Ba)	mg/kg	1	0.25	ND	ND	ND
Cobalt(Co)	mg/kg	0.05	0.05	ND	ND	ND
Copper(Cu)	mg/kg	5	0.25	ND	ND	ND
Iron(Fe)	mg/kg	48	0.25	ND	ND	ND
Lithium(Li)	mg/kg	0.6	0.5	ND	ND	ND
Manganese(Mn)	mg/kg	0.6	0.05	ND	ND	ND
Zinc(Zn)	mg/kg	5	0.5	ND	ND	ND
Aluminum(Al)	mg/kg	1	0.1	ND	ND	ND
Nickel(Ni)	mg/kg	0.02	0.01	ND	ND	ND
Antimony(Sb)	mg/kg	0.04	0.01	ND	ND	ND
Arsenic(As)	mg/kg	ND	0.01	ND	ND	ND
Cadmium(Cd)	mg/kg	ND	0.002	ND	ND	ND
Chromium(Cr)	mg/kg	ND	0.01	ND	ND	ND
Lead(Pb)	mg/kg	ND	0.01	ND	ND	ND
Mercury(Hg)	mg/kg	ND	0.01	ND	ND	ND
Europium(Eu)	mg/kg	-	0.01	ND	ND	ND
Gadolinium((Gd)	mg/kg	-	0.01	ND	ND	ND
Lanthanum(La)	mg/kg	-	0.01	ND	ND	ND
Terbium(Tb)	mg/kg	-	0.01	ND	ND	ND
Sum of all lanthanide substances	mg/kg	0.05	0.01	ND	ND	ND
Conclusion	--			Pass		
Stability of the migration test	--			Pass		

Note:

- 1) mg/kg=milligram per kilogram
- 2) ND=Not Detected(<Detection Limit)
- 3) The three results decrease one by one

Sample photo(s), see annex 1

---End---

Product Technology Service

Report No.:NB2021042102

ANNEX 1

Sample photo(s), consists of 1page



Page 4 of 4



Sport Bottle

Product Technology Service (Ningbo) Co., Ltd.

5-7F, Huayu Road, 59#
Yinzhou District
Ningbo 315192 P.R.China
<http://www.pts-lab.com>
NO: RC-SCNB-R071/01E

Tel: 86-574-83036506
Fax: 86-574-83036508
P.R.:315192
E-mail: info@pts-lab.com

宁波中普检测技术服务有限公司

浙江省宁波市
鄞州中心区华裕路
59号5-7楼
<http://www.pts-lab.com>

电话: 86-574-83036506
传真: 86-574-83036508
邮编: 315192
邮箱: info@pts-lab.com