

26 SEPTEMBER 2024

Declaration of Compliance:

In Accordance with Chinese National Food Safety Standard for Metal Materials and Articles Used in Food-contact

NOTE: This statement is made on the information provided to us by the independent testing agency and corresponds with our actual knowledge. BFM® fitting cannot guarantee the suitability of the material for any given application and assume no liability in connection with the information provided below.

ISSUED ON: 26 September 2024

FOR THE FOLLOWING PRODUCTS: BFM Spigot - 304L Stainless Steel

MANUFACTURED BY: BFM Global Limited
PO Box 66-087
Beachhaven 0749
Auckland
New Zealand

CONFIRMATION: BFM fitting's 304L Stainless Steel spigots are supplied in accordance with the following requirements:

GB 4806.1-2016 - General safety requirements on food contact material and articles.

GB 4806.9-2016 - Chinese National Food Safety Standard for Metal Materials and Articles Used in Food-contact

GB/T 20878-207 - Chinese National Standard for Stainless and heat-resisting steels - Designation and chemical composition.

The conformity has been established by testing in accordance with regulations listed above.

The contact food specified in the tests was non-fatty food and the use condition specified as 'repeated use'.

A summary of the results are listed below and on the following page.

CONFIRMATION:

TEST ITEM	LIMIT RESOURCE	ASSESSMENT
Sensory Index	GB 4806.9-2016	Pass
Physicochemical Index	GB 4806.9-2016	Pass
Material analysis	GB/T 20878-2007	Pass

SENSORY INDEX:

TEST ITEM	TEST RESULT	ASSESSMENT	TEST METHOD
Sensory	Comply	Pass	GB 4806.9-2016
Food simulant	Comply	Pass	GB 4806.9-2016

PHYSICOCHEMICAL INDEX:

TEST ITEM	TEST RESULT (mg/kg)	LOQ (mg/L)	LIMIT (mg/kg)	ASSESSMENT	TEST METHOD
Migration of heavy metal, 4% (v/v) acetic acid					
Arsenic (As)	< 0.03	0.03	≤ 0.04	Pass	GB 31604.49-2016 2nd part 2nd method
Cadmium (Cd)	< 0.003	0.003	≤ 0.02	Pass	
Lead (Pb)	< 0.03	0.03	≤ 0.05	Pass	
Chromium (Cr)	0.0527	0.03	≤ 2.0	Pass	
Nickel (Ni)	0.0341	0.006	≤ 0.5	Pass	

NOTE:

1. The food simulant and test condition were selected in accordance with annex A in GB 4806.9-2016, which is boiled for 30min, then put at room temperature for 24h. The sample was tested by total immersion.
2. The test results were calculated by the area-volume ratio of 6dm²/1L (kg). The migration tests were carried out three times, only based to the result of the third test.
3. LOQ is the LOQ of heavy metals in the food simulant.

MATERIAL ANALYSIS:

TEST ITEM	TEST RESULT (%)	CHEMICAL COMPOSITION
Carbon (C)	0.022	≤ 0.030
Silicon (Si)	0.49	≤ 1.00
Sulfur (S)	0.001	≤ 0.030
Phosphorous (P)	0.035	≤ 0.045
Manganese (Mn)	0.96	≤ 2.00
Chromium (Cr)	18.18	18.00- 20.00
Nickel (Ni)	8.14	8.00- 12.00

Note: The chemical composition was tested by photoelectric direct-reading spectrophotometer.

SIGNED ON BEHALF OF
BFM GLOBAL LTD:

BLAIR MCPHEAT
CEO