

12 MARCH 2024

# Declaration of Compliance:

## In Accordance with Chinese National Food Safety Standard for Plastic Materials and Articles in Contact with Foodstuffs

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

**ISSUED ON:** 12 March 2024

**FOR THE FOLLOWING PRODUCTS:** Seeflex - Clear Polyurethane

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

**CONFIRMATION:** Seeflex is a clear ether-based thermoplastic polyurethane alloy and is supplied in accordance with the following requirements:

**GB 4806.1** - Chinese national standard of food safety: General safety requirements on food contact materials and their products. BFM® Global conforms to the requirements set out in GB 4806.1, information on the product and its use conditions can be found freely available on our website. Relevant migration on tests have been carried out and can be found in this declaration. Please take note of the product part and batch number found in the label for traceability purposes.

**For further information please contact BFM® Global Ltd or your local distributor.**

**GB 9685-2016** - National Food Safety Standard: Standard for the Use of Additives in Food Contact Materials and Articles

**GB 4806.7-2016** - Chinese National Food Safety Standard for Plastic Materials and Articles in Contact with Foodstuffs

GB 31604.2-2016  
GB 31604.30-2016  
GB 31604.7-2016  
GB 31604.8-2016  
GB 31604.9-2016  
GB 31604.50-2020

BS EN 14582:2016

IEC 62321-3-1:2013

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:

**SENSORY INDEX:**

TEST ITEM	TEST RESULT	ASSESSMENT	TEST METHOD
Sensory	Comply	Pass	GB 4806.7-2016
Food simulant	Comply	Pass	GB 4806.7-2016

**REGULAR PHYSICOCHEMICAL INDEX:**

TEST ITEM	TEST RESULT	LIMIT	ASSESSMENT	TEST METHOD
<b>OVERALL MIGRATION, MG/DM2</b>				
4%(v/v) acetic acid, 100° C, 2h	< 1.0	10	Pass	GB 31604.8-2016
10%(v/v) ethanol, reflux temperature, 2h	< 1.0	10	Pass	GB 31604.8-2016
50%(v/v) ethanol, reflux temperature, 2h	4.8	10	Pass	GB 31604.8-2016
<b>QUANTITY OF KMNO4 CONSUMED, MG/KG</b>				
Distilled water, 60° C, 2h	2.2	10	Pass	GB 31604.2-2016
<b>HEAVY METAL (AS PB), MG/KG</b>				
4% (v/v) acetic acid, 60° C, 2h	< 1	1	Pass	GB 31604.9-2016
<b>DECOLOR TEST</b>				
Scrubbed by vegetable oil	Negative	Negative	Pass	GB 31604.7-2016
Scrubbed by ethanol	Negative	Negative	Pass	GB 31604.7-2016
Immersed solution	Negative	Negative	Pass	GB 31604.7-2016

<b>RESIDUAL CONTENT</b>				
Fluorine mg/kg	N.D.	Not Allowed	Pass	BS EN 14582:2016
Chlorine mg/kg	N.D.	Not Allowed	Pass	BS EN 14582:2016
Bromine mg/kg	N.D.	Not Allowed	Pass	BS EN 14582:2016
Iodine mg/kg	N.D.	Not Allowed	Pass	BS EN 14582:2016

<b>SPECIFIC MIGRATION LIMIT (MIGRATION OF NONYLPHENOL)</b>				
50%(v/v) ethanol, 60°C, 10 days, first test	N.D.	Not Allowed	Pass	GB 31604.50-2020

**NOTE:**

1. The sample was tested by total immersion.
2. The test results were calculated by the area-volume ratio of 6dm<sup>2</sup>/1L (kg). The migration tests were carried out three times, only based to the result of the third test.

Phthalate Content				
TEST ITEM	TEST RESULT	LIMIT	ASSESSMENT	TEST METHOD
DMP	N.D	≤0.5	Pass	GB 31604.30-2016 GCB-3-F-245
DEP	N.D	≤0.5	Pass	GB 31604.30-2016 GCB-3-F-245
DAP	N.D	≤0.5	Pass	GB 31604.30-2016 GCB-3-F-245
DIBP	N.D	≤0.5	Pass	GB 31604.30-2016 GCB-3-F-245
DBP	N.D	≤0.5	Pass	GB 31604.30-2016 GCB-3-F-245
DMEP	N.D	≤0.5	Pass	GB 31604.30-2016 GCB-3-F-245
BMPP	N.D	≤0.5	Pass	GB 31604.30-2016 GCB-3-F-245
DEEP	N.D	≤0.5	Pass	GB 31604.30-2016 GCB-3-F-245
DPP	N.D	≤0.5	Pass	GB 31604.30-2016 GCB-3-F-245
DHXP	N.D	≤0.5	Pass	GB 31604.30-2016 GCB-3-F-245
BBP	N.D	≤0.5	Pass	GB 31604.30-2016 GCB-3-F-245
DBEP	N.D	≤0.5	Pass	GB 31604.30-2016 GCB-3-F-245
DCHP	N.D	≤0.5	Pass	GB 31604.30-2016 GCB-3-F-245
DEHP	N.D	≤0.5	Pass	GB 31604.30-2016 GCB-3-F-245
DPhP	N.D	≤0.5	Pass	GB 31604.30-2016 GCB-3-F-245
DNOP	N.D	≤0.5	Pass	GB 31604.30-2016 GCB-3-F-245
DNIP	N.D	≤3	Pass	GB 31604.30-2016 GCB-3-F-245
DNP	N.D	≤0.5	Pass	GB 31604.30-2016 GCB-3-F-245

Phthalate Migration (50% ethanol (v/v), 60°C, 10 days, first test.)				
TEST ITEM	TEST RESULT	LIMIT	ASSESSMENT	TEST METHOD
DMP	N.D	≤0.1	Pass	GB 31604.30-2016 GCB-3-F-245
DEP	N.D	≤0.1	Pass	GB 31604.30-2016 GCB-3-F-245
DAP	N.D	≤0.1	Pass	GB 31604.30-2016 GCB-3-F-245
DIBP	N.D	≤0.1	Pass	GB 31604.30-2016 GCB-3-F-245
DBP	N.D	≤0.1	Pass	GB 31604.30-2016 GCB-3-F-245
DMEP	N.D	≤0.1	Pass	GB 31604.30-2016 GCB-3-F-245
BMPP	N.D	≤0.1	Pass	GB 31604.30-2016 GCB-3-F-245
DEEP	N.D	≤0.1	Pass	GB 31604.30-2016 GCB-3-F-245
DPP	N.D	≤0.1	Pass	GB 31604.30-2016 GCB-3-F-245
DHXP	N.D	≤0.1	Pass	GB 31604.30-2016 GCB-3-F-245
BBP	N.D	≤0.1	Pass	GB 31604.30-2016 GCB-3-F-245
DBEP	N.D	≤0.1	Pass	GB 31604.30-2016 GCB-3-F-245
DCHP	N.D	≤0.1	Pass	GB 31604.30-2016 GCB-3-F-245
DEHP	N.D	≤0.1	Pass	GB 31604.30-2016 GCB-3-F-245
DPhP	N.D	≤0.1	Pass	GB 31604.30-2016 GCB-3-F-245
DNOP	N.D	≤0.1	Pass	GB 31604.30-2016 GCB-3-F-245
DNIP	N.D	≤3	Pass	GB 31604.30-2016 GCB-3-F-245
DNP	N.D	≤0.1	Pass	GB 31604.30-2016 GCB-3-F-245

## RESTRICTED SUBSTANCES:

TEST ITEM	TEST RESULT	LIMIT	ASSESSMENT	TEST METHOD
Lead	N.D	< 1000	Pass	IEC 62321-3-1:2013
Mercury	N.D	< 1000	Pass	IEC 62321-3-1:2013
Cadmium	N.D	< 1000	Pass	IEC 62321-3-1:2013
Hexavalent Chromium	N.D	< 1000	Pass	IEC 62321-3-1:2013
Polybrominated Biphenyls	N.D	< 1000	Pass	IEC 62321-3-1:2013
Polybrominated Diphenyl Ethers	N.D	< 1000	Pass	IEC 62321-3-1:2013

SIGNED ON BEHALF OF  
BFM GLOBAL LTD:



BLAIR MCPHEAT  
CEO