

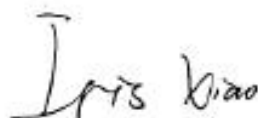
The following sample(s) was/were submitted and identified on behalf of the clients as : vacuum flask

SGS Job No. : NP14-002731 - NB
 Date of Sample Received : 01 Dec 2014
 Testing Period : 01 Dec 2014 - 05 Dec 2014
 Test Requested : Selected test(s) as requested by client.
 Test Method : Please refer to next page(s).
 Test Results : Please refer to next page(s).

Result Summary :

Test Requested	Conclusion
FDA 21 CFR 177.1210-Chloroform-soluble extractive residues(sample 003)	PASS
FDA 21 CFR 177.1520- Soluble fraction in xylene(sample 002)	PASS
FDA 21 CFR 177.1520- Extractable fraction in n-hexane(sample 002)	PASS
Total Chromium(sample 001)	PASS
FDA 21 CFR 177.1520-Density at 23°C(sample 002)	PASS
FDA 21 CFR 177.1520- Melting Point(sample 002)	PASS

Signed for and on behalf of
 SGS-CSTC Ltd.



Iris Xiao
 Approved Signatory



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	NGB14-041232.001	Silvery metal cup	STAINLESS STEEL
SN2	NGB14-041232.002	Black plastic	PP
SN3	NGB14-041232.003	Subtransparent silicone rubber	SILICONE RUBBER

FDA 21 CFR 177.1210-Chloroform-soluble extractive residues(sample 003)

Test Requested : As specified for client, for compliance with the Food and Drug Administration Regulations for determining the amount of chloroform-soluble extractives from Closures with sealing gaskets for food containers.

Test Method : As specified in FDA 21 CFR 177.1210.

Simulant Used	Time	Temperature	Max. Permissible Limit	Result of 003 Chloroform-soluble extractives
Distilled Water	-hr(s)	Fill boiling, cool to 100°F	50ppm	<5ppm

FDA 21 CFR 177.1520- Soluble fraction in xylene(sample 002)

Test Requested : As specified for client, to determine maximum soluble fraction in xylene for compliance with the Food and Drug Administration Regulations for polypropylene used in contact with food.

Test Method : With reference to FDA 21 CFR 177.1520 (d) (4) (i).

Simulant Used	Time	Temp	Max. Permissible Limit	Result of 002 Soluble fraction
Soluble fraction in xylene at 25°C	2hr(s)	25°C	9.8% (w/w)	1.5% (w/w)

FDA 21 CFR 177.1520- Extractable fraction in n-hexane(sample 002)

Test Requested : As specified for client, to determine maximum extractable fraction in n-hexane for compliance with the Food and Drug Administration Regulations for polypropylene used in contact with food.

Test Method : With reference to FDA 21 CFR 177.1520(d) (3) (i).



SGS-CTC Standards Technical Services Co., Ltd.
Ningbo Branch Testing Laboratory

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<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 002 Extractable fraction</u>
Extractable fraction in n-hexane at reflux temperature	2hr(s)	reflux temperature	6.4% (w/w)	<0.5% (w/w)

Total Chromium(sample 001)

Test Requested : As specified by client, to determine total chromium content in the submitted sample(s).

Test Method : Acid digestion, followed by analysis using ICP-OES.

<u>Test Item(s)</u>	<u>Limit</u>	<u>001</u>
Total Chromium (%)	≥10.5%	21.3

FDA 21 CFR 177.1520-Density at 23°C(sample 002)

Test Requested : As specified for client, to determine density at 23°C for compliance with the Food and Drug Administration Regulations for polypropylene used in contact with food.

Test Method : With reference to FDA 21 CFR 177.1520 d (1).

<u>Test Item(s)</u>	<u>Limit</u>	<u>002</u>
Density at 23°C, g/ cm ³	0.880-0.913	0.912

FDA 21 CFR 177.1520- Melting Point(sample 002)

Test Requested : As specified for client, to determine melting point for compliance with the Food and Drug Administration Regulations for polypropylene used in contact with food.

Test Method : With reference to FDA 21 CFR 177.1520 (d) (2).



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Test Item(s)	Limit	002
Melting point, °C	160-180	166

Remark:

- (1) °C = degree Celsius
- (2) hr = hour
- (3) < = less than
- (4) % (w/w) =percentage of weight by weight
- (5) % =percentage by weight
- (6) 1mg/kg=1ppm=0.0001%
- (7) °F = Fahrenheit degree
- (8) ≥ = great than or equal to
- (9) g/cm³ = gram per cubic centimeter



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Ningbo Branch Laboratory

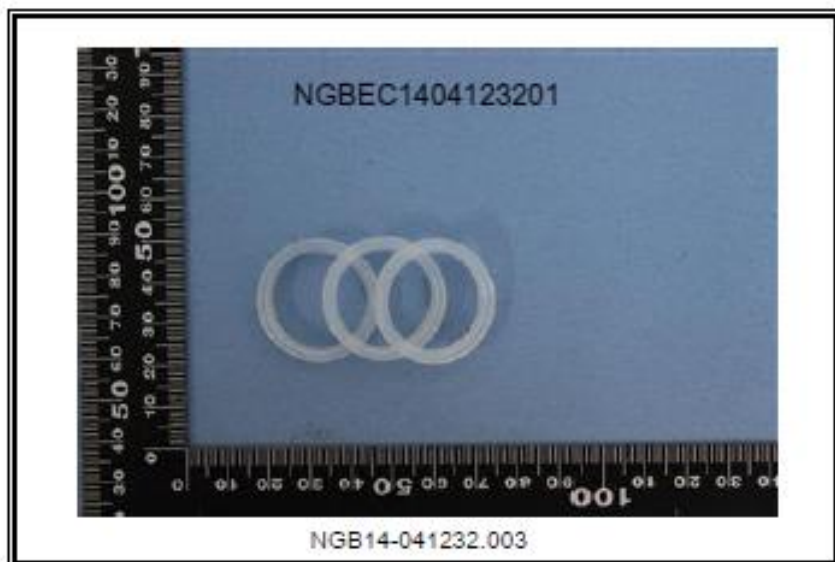
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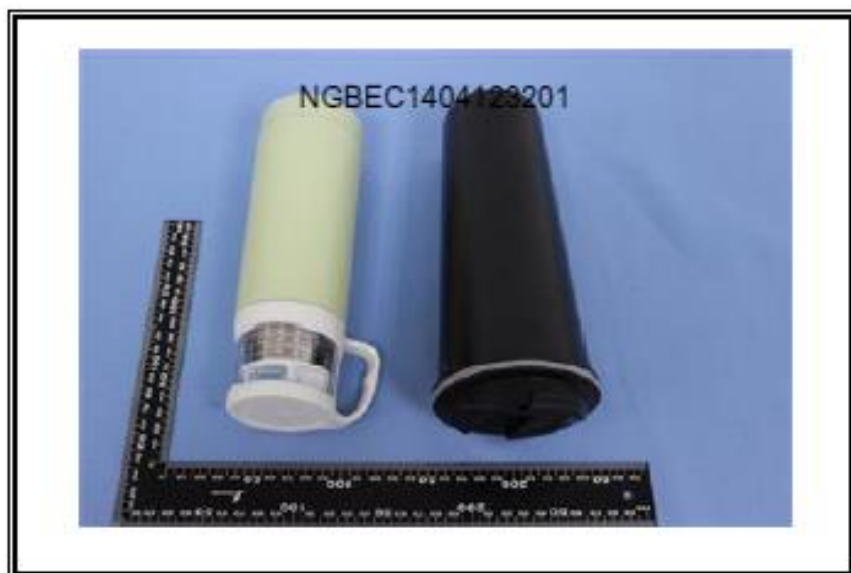
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Sample photo:









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*** End of Report ***