

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

SGS Job No. : NBMLC140400224 - NB  
 Material and Mark : 1120  
 Client Ref. Information : 1040、1040F、1080、1124、1124H、1250、1250F、1352F、1450T、1450、2100、2100M、2020S、2020H、2000MF  
 Manufacturer : FORMOSA POLYPROPYLENE(NINGBO)CO.,LTD.  
 Date of Sample Received : 21 Apr 2014  
 Testing Period : 21 Apr 2014 - 29 Apr 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 :

FDA 21 CFR 177.1520- Extractable fraction in n-hexane	PASS
FDA 21 CFR 177.1520- Soluble fraction in xylene	PASS
FDA 21 CFR 177.1520- Density at 23°C	PASS
FDA 21 CFR 177.1520- Melting Point	PASS

Signed for and on behalf of  
 SGS-CSTC Ltd.

Iris Xiao  
 Approved Signatory

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## Test Summary

No. NGBML1400882903

Date: 29 Apr 2014

Page 2 of 4

Test Results :

### Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	NGB14-008829.002	TRANSPARENT SOLID PARTICLE	PP

### FDA 21 CFR 177.1520- Extractable fraction in n-hexane

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

Test Method : As specified in FDA 21 CFR 177.1520.

<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)

### FDA 21 CFR 177.1520- Soluble fraction in xylene

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

Test Method : As specified in FDA 21 CFR 177.1520.

<u>Simulant Used</u>	<u>Time</u>	<u>Temp</u>	<u>Max. Permissible Limit</u>	<u>Result of 002 Soluble fraction</u>
Soluble fraction in xylene at 25°C	2hr(s)	25°C	9.8%(w/w)	4.4% (w/w)

### FDA 21 CFR 177.1520- Density at 23°C

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) or ASTM D792:2008



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## Test Summary

No. NGBML1400882903

Date: 29 Apr 2014

Page 3 of 4

Test Item(s)	Limit	002
Density at 23°C, g/ cm <sup>3</sup>	0.880-0.913	0.885

### FDA 21 CFR 177.1520- Melting Point

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 : As specified in FDA 21 CFR 177.1520.

Test Item(s)	Limit	002
Melting point, °C	160-180	169

#### Remark:

- (1) g/cm<sup>3</sup> = gram per cubic centimeter
- (2) %(w/w) = percentage of weight by weight
- (3) °C = degree Celsius
- (4) hr = hour
- (5) < = less than



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## Test Summary

No. NGBML1400882903

Date: 29 Apr 2014

Page 4 of 4

Sample photo:



SGS authenticate the photo on original report only

\*\*\* End of Report \*\*\*