



No. NGBML1400882903

Date: 29 Apr 2014

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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

1040、1040F、1080、1124、1124H、1250、1250F、1352F、1450T、1450、2 Client Ref. Information:

100、2100M、2020S、2020H、2000MF

FORMOSA POLYPROPYLENE(NINGBO)CO.,LTD. Manufacturer:

Date of Sample Received: 21 Apr 2014

21 Apr 2014 - 29 Apr 2014 Testing Period:

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:

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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

Approved Signatory

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Test Summary

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Test Results:

Test Part Description:

SGS Sample ID Specimen No. Description

Material (claimed by the client)

PP NGB14-008829.002 TRANSPARENT SOLID PARTICLE SN1

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.

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

temperature

FDA 21 CFR 177.1520- Soluble fraction in xylene

As specified for client, to determine Soluble fraction in xylene for compliance with the Food and Test Requested:

Drug Administration Regulations for polypropylene used in contact with food.

Test Method: As specified in FDA 21 CFR 177.1520.

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

FDA 21 CFR 177.1520- Density at 23°C

As specified for client, to determine Density at 23°C for compliance with the Food and Drug Test Requested:

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 Item(s)

<u>Limit</u>

002

Density at 23°C, g/cm3

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)

<u>Limit</u>

002

Melting point,°C

160-180

169

Remark:

- (1) g/cm3 = 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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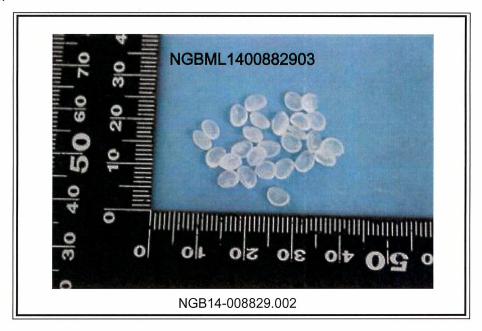
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Sample photo:



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