

QUANZHOU YIQIANG PLASTIC CO., LTD.

DONGMEN INDUSTRIAL, FENGZHOU, NANAN, 362333, QUANZHOU, FUJIAN, CHINA

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

Sample Description : DISPOSABLE PLASTIC FOOD CONTAINER  
SGS Ref No. : CANHG1701011601  
Style / Item No. : YQ382/YQ383/YQF50/YQ476  
Manufacture : QUANZHOU YIQIANG PLASTIC CO., LTD.  
Sample Receiving Date : Jan. 13, 2017  
Test Performing Date : Jan. 13, 2017 to Jan. 22, 2017  
Test Performed : Selected test(s) as requested by applicant  
Test Result(s) : For further details, please refer to the following page(s)

Signed for and on behalf of  
Xiamen Branch, SGS-CSTC Co., Ltd.



Sharky Xia  
Approved Signatory



SGS-CSTC Standards Technical Services Co., Ltd.  
Xiamen Branch Test Center Hardlines

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**Part 1: SGS Ref. No. is CANHG1701016401**

Result Summary :

Test Requested	Conclusion
FDA 21 CFR 177.1520–Maximum extractable fraction in n-Hexane	PASS
FDA 21 CFR 177.1520–Maximum soluble fraction in xylene	PASS
FDA 21 CFR 177.1520–Density at 23°C	PASS
FDA 21 CFR 177.1520–Melting Point	PASS

Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN17-010164.001	Transparent plastic box(1#)	PP
SN2	CAN17-010164.002	Transparent plastic box(2#)	PP

**FDA 21 CFR 177.1520–Maximum extractable fraction in n-Hexane**

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

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 001</u>	<u>Comment</u>
n-Hexane	2hr(s)	Reflux temperature	6.4%(w/w)	1.4%(w/w)	PASS

Notes :

%w/w = percentage of weight by weight

**FDA 21 CFR 177.1520–Maximum soluble fraction in xylene**

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

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 001</u>	<u>Comment</u>
Xylene	2hr(s)	25°C	9.8%(w/w)	4.0%(w/w)	PASS

Notes :

%w/w = percentage of weight by weight



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

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

<u>Test Item(s)</u>	<u>Limit</u>	<u>001</u>
Density at 23°C, g/ cm <sup>3</sup>	0.880-0.913	0.904
<b>Comment</b>		<b>PASS</b>

### FDA 21 CFR 177.1520–Melting Point

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

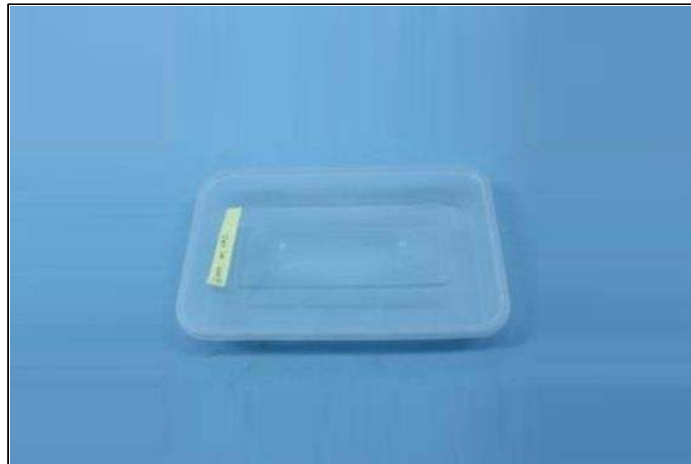
<u>Test Item(s)</u>	<u>Limit</u>	<u>002</u>
Melting Point, °C	160-180	164.5
<b>Comment</b>		<b>PASS</b>

### Sample photo(s):



CAN17-010164.001





CAN17-010164.002



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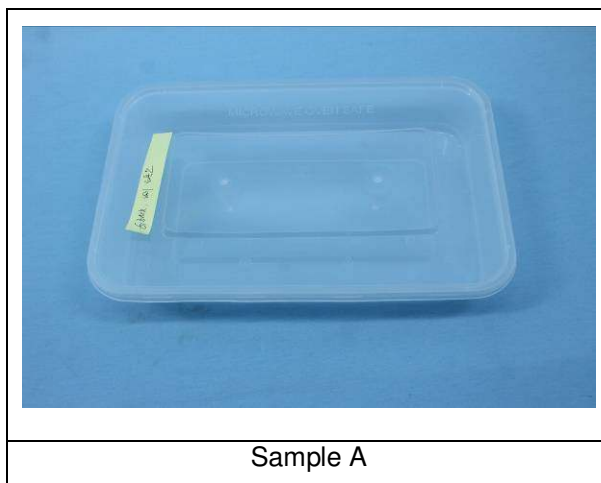
**Part 2: SGS Ref. No. is GZIN1701002229MR**

Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Melting Temperature	ASTM E794-06(2012)	164.5°C	/

Note: Pass : Meet the requirements;  
 Fail : Does not meet the requirements;  
 / : Not Apply to the judgment.

Original Sample Photo:



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Test Item: Melting Temperature

Sample Description: Plastic part

Test Method: ASTM E794-06(2012), analysis was performed by DSC.

Test Condition:

Type of sample container: Al;

Purge gas flow rate (Nitrogen: 99.999%): 50ml/min;

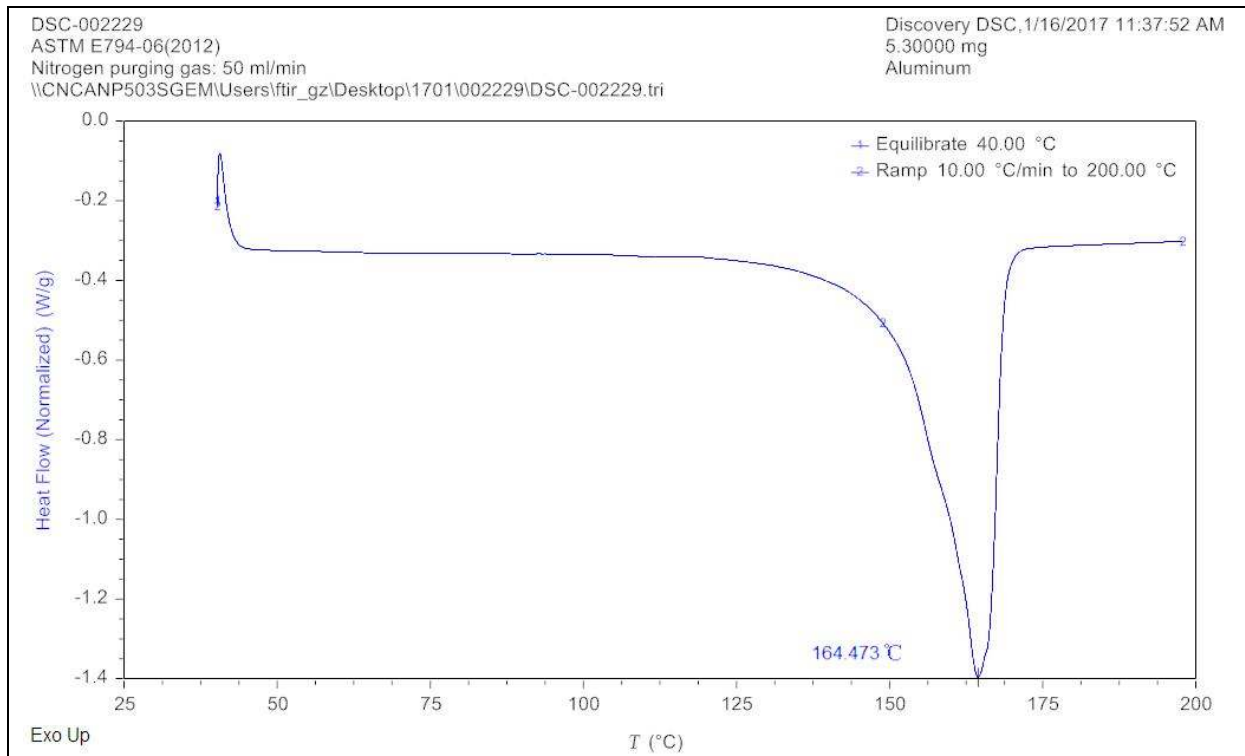
Temperature range: 40~200°C;

Ramp: 10°C/min.

Test Result:

Test Item	Results (DSC curve see Fig.1)
Melting Temperature	164.5°C

Fig.1



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



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