

## Test Report

No. SHAHG1608803701

Date: 05 May 2017

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RTCO (HK) CO.,LIMITED

ROOM 20A,KIU FU COMMERCIAL BUILDING,300 LOCKHART ROAD,WAN CHAI,HONG KONG

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

SGS Job No. : SHHL1704022573CW - SH

Date of Sample Received : 28 Apr 2017

Testing Period : 28 Apr 2017 - 05 May 2017

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 177.1520- Extractable fraction	PASS
FDA 21 CFR 177.1520- Soluble fraction	PASS
FDA 21 CFR 177.1520-Density at 23°C(Sample 001)	PASS
FDA 21 CFR 177.1520-Density at 23°C(Sample 002)	PASS

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Serena Wang

Approved Signatory

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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	SHA16-088037.001	Transparent plastic bottle	HDPE
SN2	SHA16-088037.002	Transparent plastic lid	PP

**FDA 21 CFR 177.1520- Extractable fraction**

Test Requested : For sample 001:  
As specified for client, to determine extractable fraction in n-hexane for compliance with the Food and Drug Administration (FDA) Regulations for polyethylene used in article that contact food except for articles used for packing or holding food during cooking.  
For sample 002:  
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 : For sample 001: With reference to FDA 21 CFR 177.1520(d)(3)(ii).  
For sample 002: With reference to 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>Conclusion</u>
n-hexane	2hr(s)	50°C	5.5% (w/w)	<0.5% (w/w)	PASS

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 002</u>	<u>Conclusion</u>
n-hexane	2hr(s)	Reflux temperature	6.4% (w/w)	<0.5% (w/w)	PASS

Notes :  
%(w/w) = percentage of weight by weight

**FDA 21 CFR 177.1520- Soluble fraction**

Test Requested : For sample 001:  
As specified for client, to determine soluble fraction in xylene for compliance with the Food and Drug Administration (FDA) Regulations for polyethylene used in article that contact food except for articles used for packing or holding food during cooking.  
For sample 002:  
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.



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Test Method : For sample 001: With reference to FDA 21 CFR 177.1520(d)(4)(ii).  
For sample 002: With reference to FDA 21 CFR 177.1520 (d) 4 (i).

<u>Simulant Used</u>	<u>Time</u>	<u>Temp</u>	<u>Max. Permissible Limit</u>	<u>Result of 001</u>	<u>Conclusion</u>
Xylene	-	25°C	11.3% (w/w)	<0.5% (w/w)	PASS

<u>Simulant Used</u>	<u>Time</u>	<u>Temp</u>	<u>Max. Permissible Limit</u>	<u>Result of 002</u>	<u>Conclusion</u>
Xylene	-	25°C	9.8% (w/w)	2.3% (w/w)	PASS

Notes :

%(w/w) = percentage of weight by weight

## FDA 21 CFR 177.1520-Density at 23°C(Sample 001)

Test Requested : As specified for client, to determine density at 23°C for compliance with the Food and Drug Administration (FDA) Regulations for polyethylene used in article that contact food except for articles used for packing or holding food during cooking.

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

<u>Test Item(s)</u>	<u>Limit</u>	<u>001</u>
Density at 23°C, g/ cm <sup>3</sup>	0.85 - 1.00	0.94
<b>Conclusion</b>		<b>PASS</b>

## 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 177.1520d(1)

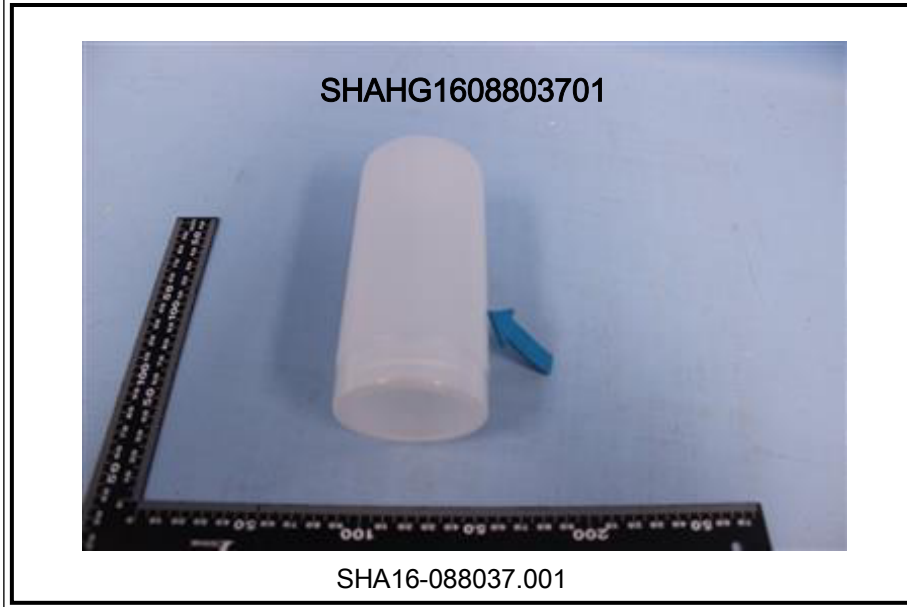
<u>Test Item(s)</u>	<u>Limit</u>	<u>002</u>
Density at 23°C, g/ cm <sup>3</sup>	0.880-0.913	0.899
<b>Conclusion</b>		<b>PASS</b>



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Sample photo:



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