

## Test Report

No. SHAEC1114702010

Date: 22 Sep 2011

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TOPS MICRO PUMP AND MOTOR TECHNOLOGY CO.,LTD  
SANLI RD, LIUSHI, YUEQING,HEJIANG,325604,CHINA

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

SGS Job No. : SP11-028328 - SH  
Composition : Stainless steel, PEEK plastic, PTFE plastic, PPS plastic, Teflon-coated  
Model No. : MG200, TG-02  
Client Ref. Information : MG204, MG209, MG213, TG-01, TG-02, MG312, MG317  
Country of Destination : Germany, USA  
Date of Sample Received : 13 Sep 2011  
Testing Period : 13 Sep 2011 - 19 Sep 2011  
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).  
Conclusion : The submitted Solid with black coating part sample said to be used for Gear Pump comply with the FDA Specifications for determining the amount of extractives from resinous or polymeric coating used as the food-contact surface of articles.  
  
When tested as specified, the submitted sample 001 is suitable for contact with food.

Signed for and on behalf of  
SGS-CSTC Ltd.



Fan Jingjie, JJ  
Approved Signatory

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Test Results :

## Test Part Description :

Specimen No	SGS Sample ID	Description
1	SHA11-147020.001	Silvery stainless
2	SHA11-147020.002	Black plastic
3	SHA11-147020.003	White solid sheet
4	SHA11-147020.004	Solid with black coating part
5	SHA11-147020.005	Black plastic

## FDA 21CFR 175.300

Test Requested : For sample 002, 003 and 005, as specified for client, with reference to Food and Drug Administration Regulations for determining the amount of extractives from the submitted sample.

For sample 004, as specified for client, for compliance with Food and Drug Administration Regulations for determining the amount of extractives from resinous or polymeric coating.

Test Method : As specified in FDA 21 CFR 175.300

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 002 Total Extractives</u>
Distilled Water	2.0hr	150°F	18mg/inch <sup>2</sup>	<0.1mg/inch <sup>2</sup>
<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 003 Total Extractives</u>
Distilled Water	2.0hr	150°F	18mg/inch <sup>2</sup>	<0.1mg/inch <sup>2</sup>
<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 004 Total Extractives</u>
Distilled Water	2.0hr	150°F	18mg/inch <sup>2</sup>	<0.1mg/inch <sup>2</sup>
<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 005 Total Extractives</u>
Distilled Water	2.0hr	150°F	18mg/inch <sup>2</sup>	0.1mg/inch <sup>2</sup>

## Total Chromium

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

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Test Method : Titration method

<u>Test Item(s)</u>	<u>Limit</u>	<u>001</u>
Total Chromium (%)	≥10.5%	16.4

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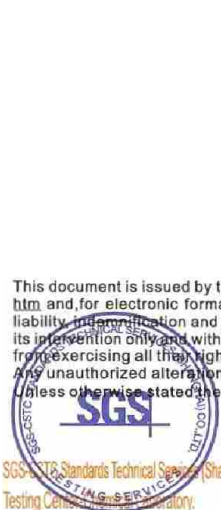
Sample photo:



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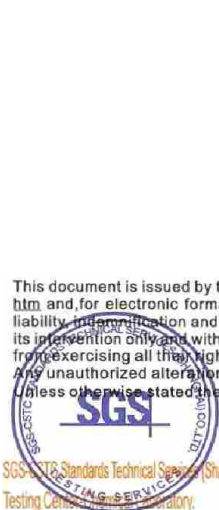


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\*\*\* End of Report \*\*\*

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