

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

Sample Description : GAS SPRING
Sample Receiving Date : Apr.06, 2016
Test Performing Date : Apr.06, 2016 to Apr.14, 2016

Test Result Summary

Test(s) Requested	Result(s)
Compression load test	Record: Maximum force 136 N
Gas spring durability test	PASS

Summary:

1. For further details, please refer to the following page(s).

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



Bill Wang
Approved signatory



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TESTS AND RESULTS

Test Conducted:

Compression load test and Gas spring durability test as per client's requirements.

General Test Condition:

The following test program was conducted in a laboratory environment maintained at 15°C to 25°C and 50%±5 RH. The sample was individually tested after conditioning in the test environment for at least 24 hours prior to conducting the test.

The complete detailed procedures may be found in the referenced specification and are only summarized herein. Unless otherwise specified, the tests are carried out in the following order on the same sample.

No. of Sample:

1 piece (Sample 1). For more sample information and pictures, please refer to the following page.

Test and Requirements	Test Results
Compression load test Mount the gas spring to the test platform Compress the sample at a constant speed of 100 kg/min. until the position was compressed to 10 mm before fully compression. Dismount the sample and record the maximum force during compression.	Record: Maximum force 136 N
Gas spring durability test Mount the gas spring to the test platform. Fully compress the sample and then return, this course constitutes one cycle. Operate the sample for total 50000 cycles at a rate of 16 cycles per minute. There shall be no any crack, fracture, determination and loss of serviceability after test.	PASS

Remark:

- The cyclic number of 50000 cycles and speed of 16 cycles/min were specified by client;

SAMPLE INFORMATION AND PICTURES

Weight: 67.7 g

Overall Dimensions : $\Phi 14.94$ mm (Dia.) by $\Phi 5.96$ mm (Dia.) by 229 mm(L)

Other Dimensions: /

Sample as Received



View 1



View 2



View 3

End of Report