

Verification Services

Report No.: 4788659233

Project No.: 4788659233

Report Issued Date: 2018-10-23



TEST REPORT

Page 1 of 11

Customer Information:

Applicant Information

Company Name : BQT Solutions (SEA) Pte Limited

Address : 41B Neil Road #03-01. Singapore 088824

Manufacturer Information

Company Name : BQT Solutions (NZ) Limited

Address : Unit 4, 101 Diana Drive, Wairau Valley, Auckland 0627, New Zealand

Factory Information

Company Name : BQT Solutions (NZ) Limited

Address : Unit 4, 101 Diana Drive, Wairau Valley, Auckland 0627, New Zealand

Per your request, project 4788659233 was opened, in accordance with your requested test protocol for the evaluation of product model YG80 performance property. The test was to verify Heat and Cold Test for EUT ORCA model YG80.

UL Verification Services did not select the sample(s), determine whether the sample(s) was representative of production samples, witness the production of the test sample(s), nor were we provided with information relative to the formulation or identification of component materials used in the test sample(s). The test results apply only to the actual sample(s) tested.

The issuance of this report in no way implies Listing, Classification or Recognition by UL LLC (UL) and does not authorize the use of UL Listing, Classification or Recognition Marks or any other reference to UL LLC (UL) on the product or system. UL Verification Services authorizes the above named company to reproduce this Report provided it is reproduced in its entirety. The name, Brand or Marks of

Verification Services

Report No.: 4788659233

Project No.: 4788659233

Report Issued Date: 2018-10-23



TEST REPORT

Page 2 of 11

UL LLC (UL) cannot be used in any packaging, advertising, promotion or marketing relating to the data in this Report, without UL's prior written permission.

UL Verification Services, its employees and agents shall not be responsible to anyone for the use or nonuse of the information contained in this Report, and shall not incur any obligation or liability for damages, including consequential damages, arising out of or in connection with the use of, or inability to use, the information contained in this Report.

You cannot use UL's name or marks in connection with any product, packaging, advertising, promotion, or marketing without UL's prior written permission.

In no event shall UL be responsible to anyone for whatever use or nonuse that is made of the information contained in this Report and in no event shall UL, its employees or its agents, incur any Obligation or liability for damages, including, but not limited to, consequential damages arising out of or in connection with the use, or inability to use, of the information contained in this Report.

Verification Services

Report No.: 4788659233

Project No.: 4788659233

Report Issued Date: 2018-10-23



TEST REPORT

Page 3 of 11

Report on the submitted sample said to be:

Sample name..... : ORCA
Sample model..... : YG80
Amount of Sample..... : 2 pcs
Sample Received Date : Sep.20.2018
Sample Tested Date..... : Sep.20.2018~ Oct.12.2018

Test Information:

No.	Item(s)	Test Result
1	Heat Test	Pass, See Appendix 2 for detail.
2	Cold Test	Pass, See Appendix 3 for detail.

Testing laboratory (Report Stamp)

Reported by: Rachel Xu

Reviewed by: Van Yuan

Date: 2018-10-17

Date: 2018-10-18

Appendix 1

Sample Photos:

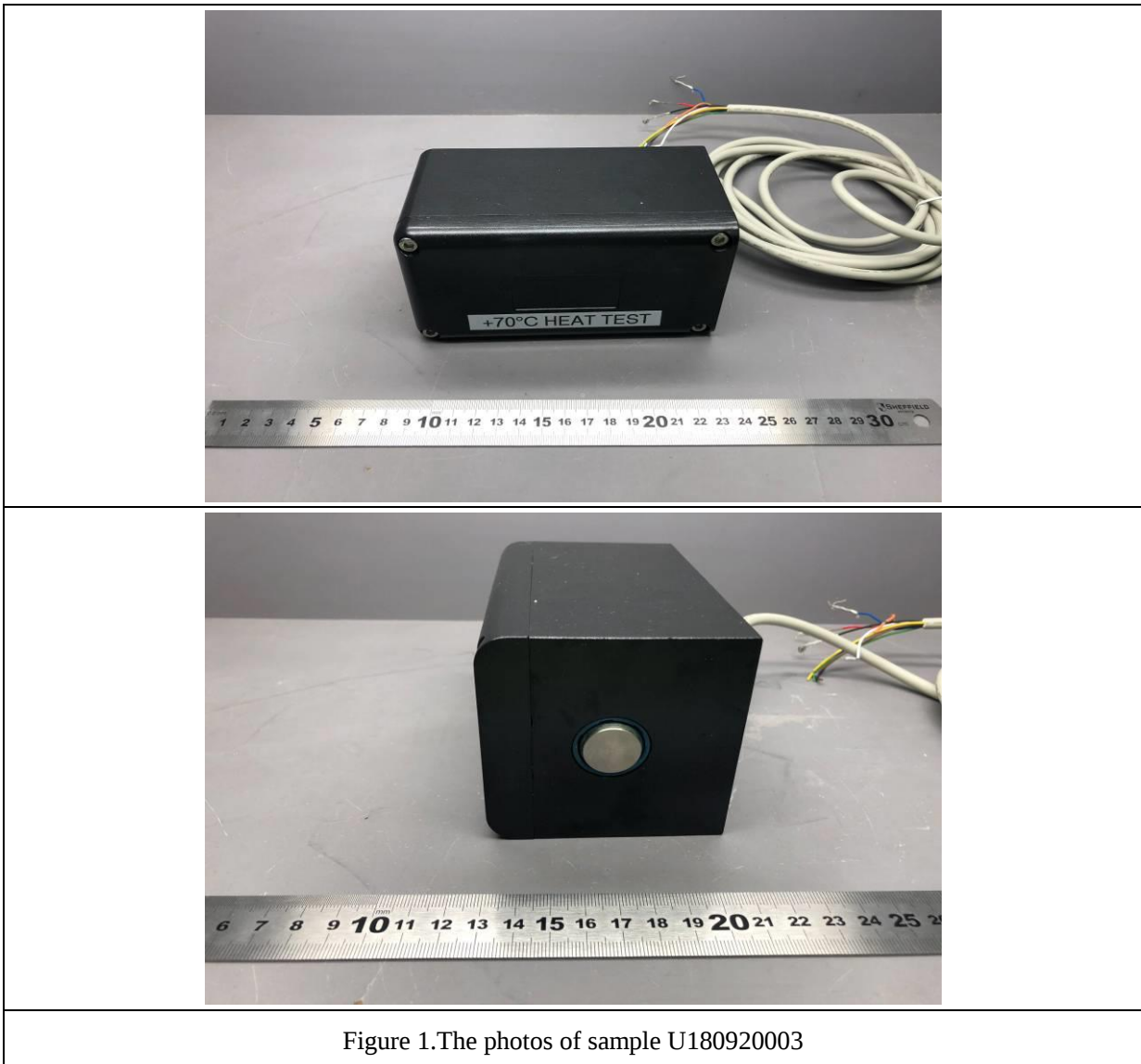


Figure 1. The photos of sample U180920003

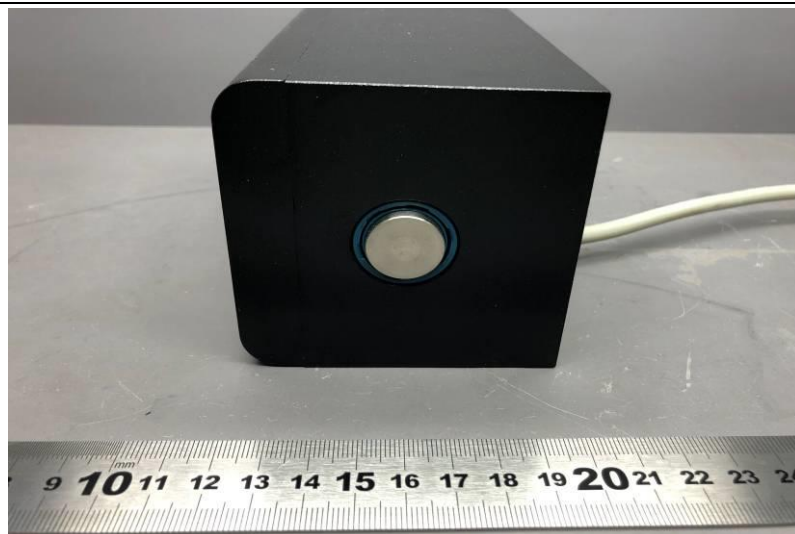


Figure 2.The photos of sample U180920004

Appendix 2**Test Item: Heat Test****1. Environment Condition:**

Temperature: 23.4°C ; Relative humidity: 54%RH

2. Test Sample:

Sample No.	Sample name	Sample model	Sample photo	Sample Num.
U180920003	ORCA	YG80	See Appendix 1	1pc

3. Test Equipments:

No.	Name	Model No.
1	High-temperature test chamber	GW100-300
2	DC power supply	MP3020D

4. Testing Standard:

EN 60068-2-2-2008 Environment testing. Part2-2: Test , Test B: Dry heat

5. Test Condition:

Test temperature: 70°C

Time: 2h

24V DC voltage was applied throughout the test.

Check product functional before and after test.

6. Test requirement:

After test, the product's function should be normal.

7. Test Result:

Sample No.	Test result	Test requirement	Judgement
U180920003	After test, the product's function is normal.	After test, the product's function should be normal.	Pass

8. Test Photos:

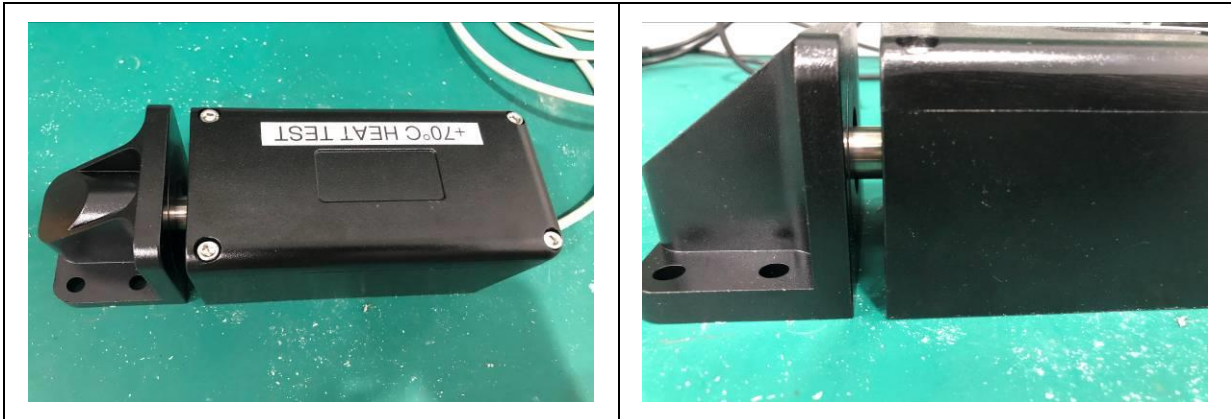


Figure 3.The photos of sample U180920003 functional check before test



Figure 4.The photos of sample U180920003 during test

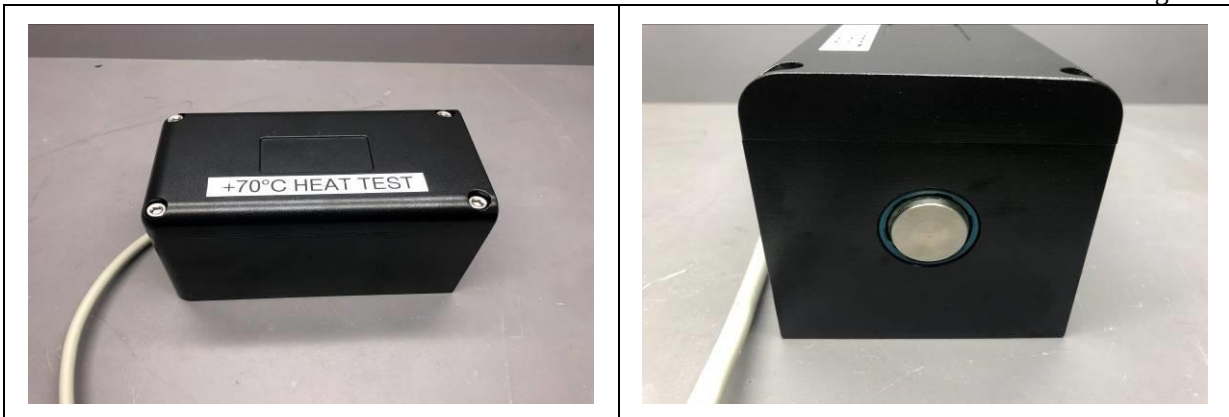


Figure 5.The photos of sample U180920003 after test



Figure 6.The photos of sample U180920003 functional check after test

Appendix 3**Test Item: Cold Test****1. Environment Condition:**

Temperature: 23.4°C ; Relative humidity: 54%RH

2. Test Sample:

Sample No.	Sample name	Sample model	Sample photo	Sample Num.
U180920004	ORCA	YG80	See Appendix 1	1pc

3. Test Equipments:

No.	Name	Model No.
1	Temperature and Humidity test chamber	TMJ-9712C
2	DC power supply	MP3020D

4. Testing Standard:

EN 60068-2-1-2008 Environment testing. Part2-1: Test , Test A: Cold

5. Test Condition:

Test temperature: -35°C

Time: 2h

24V DC voltage was applied throughout the test.

Check product functional before and after test.

6. Test requirement:

After test, the product's function should be normal.

7. Test Result:

Sample No.	Test result	Test requirement	Judgement
U180920004	After test, the product's function is normal.	After test, the product's function should be normal.	Pass

8. Test Photos:



Figure 7.The photos of sample U180920004 functional check before test

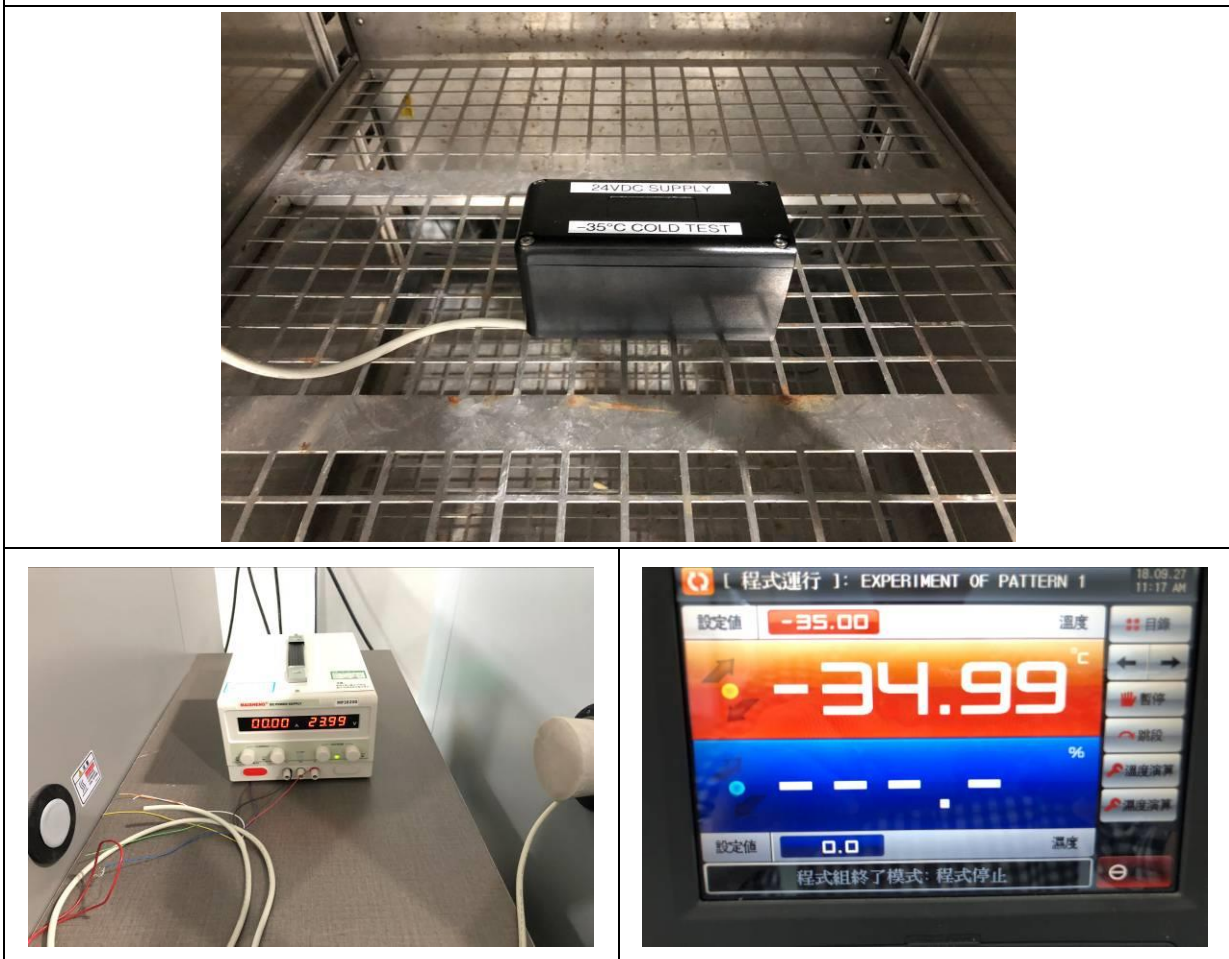


Figure 8.The photos of sample U180920004 during test

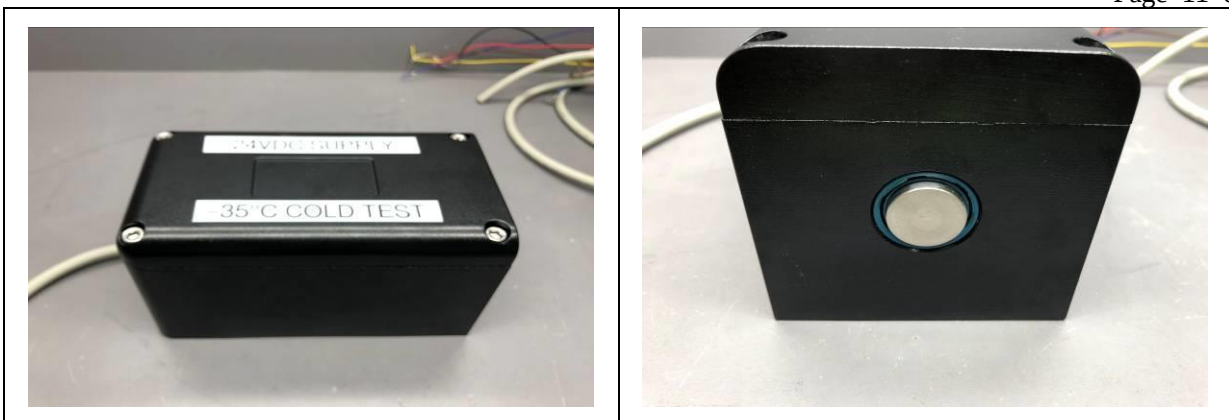


Figure 9.The photos of sample U180920004 after test

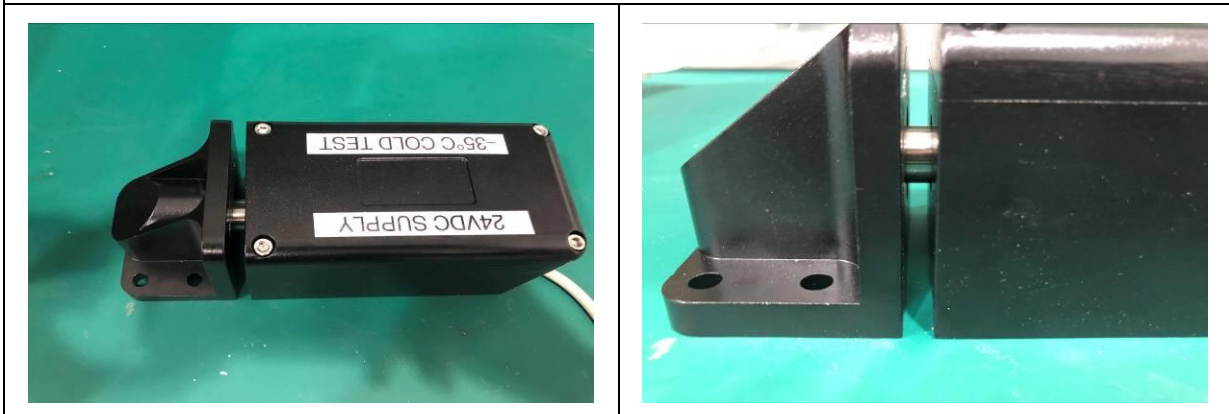


Figure 10.The photos of sample U180920004 functional check after test

*** End of Report ***