Grandvance Technology, Inc
RELIABILITY TEST REPORT

Customer：STD　　Product：6038 DC FAN

Part Number：AB0603812A-H-P0

Date Code：

Test item	Test condition	Q'TY	Result	Test standards	Test record	Page
1. Low temperature test	1. Test temperature : -40℃ 2. Duration time : 96 hrs 3. Test voltage : 13.2 DCV 4. Test the performance in the normal temperature after 2 hours	6	OK	IEC 68-2-1	See test report	1/8
2. High temperature test	1. Test temperature : 85℃ 2. Duration time : 96 hrs 3. Test voltage : 13.2 DCV 4. Test the performance in the normal temperature after 2 hours	6	OK	IEC 68-2-2	See test report	2/8
3. Temperature and humidity test	1. Test temperature : 85℃ 2. Humidity : 95% 3. Duration time : 96 hrs 4. Test Voltage : 13.2 DCV 5. Test the performance in the normal temperature after 2 hours	6	OK	IEC 68-2-3	See test report	3/8
4. Temperature cycling running & ON/OFF test	1. Low temperature : -25℃ / 24 hrs 2. High temperature : +85 ℃ / 24 hrs 3. Number of laps : 2 times 4. Test voltage : 12 DCV 5. ON/OFF time : ON / 50 sec OFF / 10 sec 6. Test the performance in the normal temperature after 2 hours	6	OK	IEC 68-2-14	See test report	4/8
5. Lock rotor test	1. Test temperature：25℃ 2. Duration time : 96 hrs 3. Test voltage : 13.2 DCV 4. Dielectric strength test : 500V AC for 1min between frame and wire 5. Insulation impedance : 500V DC between frame and wire 6. Test the performance in the normal temperature after 2 hours	6	OK	UL 507	See test report	5/8
6. Thermal shock test	1. Low temperature : -40℃ / 30min 2. High temperature : +85℃ / 30min 3. Number of cycle：80 cycles 4. Transition time： less than 5 minutes 5. Test the performance in the normal temperature after 2 hours	6	OK	IEC 68-2-14	See test report	6/8
7. Random vibration test	1. Pulse shape：sine wave 2. Displacement: 1.5mm 3. Frequency range: a. 10Hz~55Hz / 30 sec b. 55Hz~10Hz / 30 sec 4. Linear scan 120 cycles 5. Endurance timer per axis：2 hrs 6. Orientation：X,Y,Z 7. Test the performance in the normal temperature after 2 hours	6	OK	CNS 5076 (C6051)	See test report	7/8
8. Mechanical shock test	1. Pulse shape：half-sine wave 2. Peak acceleration：100G 3. Duration of pulse：11ms 4. Orientation：X,-X,Y,-Y,Z,-Z 5. Number of shock：3 shock for each axis，total 18 times 6. Test the performance in the normal temperature after 2 hours	6	OK	IEC 68-2-27	See test report	8/8

File No.	Issued Date	Tested By	Reviewed By	Approved By

Grandvance Technology, Inc
RELIABILITY TEST REPORT

Available for these models with same physical structure.
This test report applies to 60*60*38mm series as the right table.

Part Number： AB0603812A-H-P0 Sample quantity : **6PCS**

Test item： Low temperature test

Test Condition：

1. Test Temperature : -40℃
2. Duration time : 96 hrs
3. Test Voltage : 13.2 DCV
4. Test the performance in the normal temperature after 2 hours

Inspection Criteria：

1. Rotational speed reduction: Speed drop of 15% below the original measured rpm under given operation conditions.
2. Increased current consumption: Increase >15% of original measured input current under given operation conditions.
3. A coustical Noise Emission : increase>3dB-A over the original measured sound level under given operation conditions.
4. Using the lowest voltage to inspect if the fan still operates.
5. Inspecting if there is any abnormal vibration under given operating conditions.
6. Inspecting if there is any abnormal noise under given operation conditions.
7. Inspecting external if there is any defects in fan.

Instruments used： 高低溫濕熱交變試驗箱

Test Data Between Initial Test and Final Test

Spec / NO.	Initial Test	Final Test	Deviation	Initial Test	Final Test	Deviation	Initial Test	Final Test	Deviation	Appearance inspection
	Current Spec.			Speed Spec.			Noise Spec.			Check whether there is any damage to the outside of the fan
	3.6A MAX		%	20000 RPM±10%		%	71dB-A MAX		dB-A	
1	3.056	2.975	-2.65%	19938	19944	0.03%	64.3	65.0	0.7	NO
2	3.009	2.977	-1.06%	20158	20136	-0.11%	63.9	64.7	0.8	NO
3	3.086	3.140	1.75%	19960	20190	1.15%	63.6	64.2	0.6	NO
4	3.036	2.930	-3.49%	19981	20173	0.96%	63.8	63.5	-0.3	NO
5	3.065	2.974	-2.97%	20091	20046	-0.22%	64.1	63.9	-0.2	NO
6	3.215	3.132	-2.58%	20047	20109	0.31%	64.4	64.0	-0.4	NO
Mean(X-Bar)	3.078	3.021	-1.84%	20029	20100	0.35%	64.0	64.2	0.2	-
Standard Deviation	0.072	0.091	-	85.035	91.714	-	0.306	0.549	-	-
Single judgment	OK			OK			OK			OK

Evaluation :

[√] Acceptance
[ ] Reject

Remark :

The environmental conditions are as follows:
-Temperature range:15℃ to 35℃
-Relative humidity :25% to 75%
-air pressure :86Kpa to 106kpa(860 mbar to 1060 mbar)

File No.	Test Date	Tested By	Reviewed By	Approved By
	Start： 2019.05.15 15:00 End： 2019.05.19 15:20	Xiaowei.wang	Zongcheng.Li	Rocky.Lu

Grandvance Technology, Inc

RELIABILITY TEST REPORT

Available for these models with same physical structure.
This test report applies to 60*60*38mm series as the right table.

Part Number： AB0603812A-H-P0　　Sample quantity：**6PCS**

Test item： High temperature test

Test Condition：

1. Test Temperature : 85℃
2. Duration time : 96 hrs
3. Test Voltage : 13.2 DCV
4. Test the performance in the normal temperature after 2 hours

Inspection Criteria：

1. Rotational speed reduction: Speed drop of 15% below the original measured rpm under given operation conditions.
2. Increased current consumption: Increase >15% of original measured input current under given operation conditions.
3. A coustical Noise Emission : increase>3dB-A over the original measured sound level under given operation conditions.
4. Using the lowest voltage to inspect if the fan still operates.
5. Inspecting if there is any abnormal vibration under given operating conditions.
6. Inspecting if there is any abnormal noise under given operation conditions.
7. Inspecting external if there is any defects in fan.

Instruments used： 高低溫濕熱交變試驗箱

Test Data Between Initial Test and Final Test

Spec / NO.	Initial Test	Final Test	Deviation	Initial Test	Final Test	Deviation	Initial Test	Final Test	Deviation	Appearance inspection
	Current Spec.			Speed Spec.			Noise Spec.			Check whether there is any damage to the outside of the fan
	3.6A MAX		%	20000 RPM±10%		%	71dB-A MAX		dB-A	
1	3.020	2.972	-1.59%	19932	19996	0.32%	64.5	64.9	0.4	NO
2	3.063	2.960	-3.36%	20093	19987	-0.53%	64.0	64.6	0.6	NO
3	3.041	2.931	-3.62%	20120	19994	-0.63%	63.8	64.7	0.9	NO
4	3.089	2.985	-3.37%	20054	20088	0.17%	64.2	64.4	0.2	NO
5	3.039	2.974	-2.14%	19966	19910	-0.28%	64.7	64.2	-0.5	NO
6	3.108	2.999	-3.51%	19969	20042	0.37%	65.1	64.9	-0.2	NO
Mean(X-Bar)	3.060	2.970	-2.94%	20022	20003	-0.10%	64.4	64.6	0.2	-
Standard Deviation	0.033	0.023	-	77.089	59.634	-	0.479	0.279	-	-
Single judgment	OK			OK			OK			OK

Evaluation :

[√] **Acceptance**
[ ] **Reject**

Remark :

The environmental conditions are as follows:
-Temperature range:15℃ to 35℃
-Relative humidity :25% to 75%
-air pressure :86Kpa to 106kpa(860 mbar to 1060 mbar)

File No.	Test Date	Tested By	Reviewed By	Approved By
	Start： 2019.05.20 15:40 End： 2019.05.24 16:00	Xiaowei.wang	Zongcheng.Li	Rocky.Lu

Grandvance Technology, Inc

RELIABILITY TEST REPORT

Available for these models with same physical structure.
This test report applies to 60*60*38mm series as the right table.

Part Number： AB0603812A-H-P0 Sample quantity : **6PCS**

Test item： Temperature and humidity test

Test Condition：

1. Test temperature : 85℃
2. Humidity : 95%
3. Duration time : 96 hrs
4. Test Voltage : 13.2 DCV
5. Test the performance in the normal temperature after 2 hours

Inspection Criteria：

1. Rotational speed reduction: Speed drop of 15% below the original measured rpm under given operation conditions.
2. Increased current consumption: Increase >15% of original measured input current under given operation conditions.
3. A coustical Noise Emission : increase>3dB-A over the original measured sound level under given operation conditions.
4. Using the lowest voltage to inspect if the fan still operates.
5. Inspecting if there is any abnormal vibration under given operating conditions.
6. Inspecting if there is any abnormal noise under given operation conditions.
7. Inspecting external if there is any defects in fan.

Instruments used： 高低溫濕熱交變試驗箱

Test Data Between Initial Test and Final Test

Spec / NO.	Initial Test	Final Test	Deviation	Initial Test	Final Test	Deviation	Initial Test	Final Test	Deviation	Appearance inspection
	Current Spec.			Speed Spec.			Noise Spec.			Check whether there is any damage to the outside of the fan
	3.6A MAX		%	20000 RPM±10%		%	71dB-A MAX		dB-A	
1	3.069	2.961	-3.52%	19951	19930	-0.11%	65.0	66.1	1.1	NO
2	3.054	2.952	-3.34%	20157	20150	-0.03%	64.8	65.3	0.5	NO
3	3.081	2.984	-3.15%	20053	20119	0.33%	65.4	65.7	0.3	NO
4	2.994	2.963	-1.04%	19936	20017	0.41%	64.6	65.1	0.5	NO
5	3.053	2.970	-2.72%	19991	20095	0.52%	64.3	65.2	0.9	NO
6	3.078	2.978	-3.25%	20126	20023	-0.51%	64.3	65.6	1.3	NO
Mean(X-Bar)	3.055	2.968	-2.84%	20036	20056	0.10%	64.7	65.5	0.8	-
Standard Deviation	0.032	0.012	-	91.956	81.008	-	0.427	0.374	-	-
Single judgment	OK			OK			OK			OK

Evaluation :

[√] **Acceptance**
[ ] **Reject**

Remark :

The environmental conditions are as follows:
-Temperature range:15℃ to 35℃
-Relative humidity :25% to 75%
-air pressure :86Kpa to 106kpa(860 mbar to 1060 mbar)

File No.	Test Date	Tested By	Reviewed By	Approved By
	Start： 2019.05.15 09:00 End： 2019.05.19 09:20	Xiaowei.wang	Zongcheng.Li	Rocky.Lu

Grandvance Technology, Inc
RELIABILITY TEST REPORT

Available for these models with same physical structure.
This test report applies to 60*60*38mm series as the right table.

Part Number： AB0603812A-H-P0 Sample quantity：**6PCS**

Test item： Temperature cycling running & ON/OFF test

Test Condition：

1. Low temperature : -25℃ / 24 hrs
2. High temperature : +85 ℃ / 24 hrs
3. Number of laps : 2 times
4. Test voltage : 12 DCV
5. ON/OFF time : ON / 50 sec
   OFF / 10 sec
6. Test the performance in the normal temperature after 2 hours

Inspection Criteria：

1. Rotational speed reduction: Speed drop of 15% below the original measured rpm under given operation conditions.
2. Increased current consumption: Increase >15% of original measured input current under given operation conditions.
3. A coustical Noise Emission : increase>3dB-A over the original measured sound level under given operation conditions.
4. Using the lowest voltage to inspect if the fan still operates.
5. Inspecting if there is any abnormal vibration under given operating conditions.
6. Inspecting if there is any abnormal noise under given operation conditions.
7. Inspecting external if there is any defects in fan.

Instruments used： 高低溫濕熱交變試驗箱

Test Data Between Initial Test and Final Test

Spec / NO.	Initial Test	Final Test	Deviation	Initial Test	Final Test	Deviation	Initial Test	Final Test	Deviation	Appearance inspection
	Current Spec.			Speed Spec.			Noise Spec.			Check whether there is any damage to the outside of the fan
	3.6A MAX		%	20000 RPM±10%		%	71dB-A MAX		dB-A	
1	3.006	2.960	-1.53%	20081	20004	-0.38%	63.7	64.3	0.6	NO
2	3.009	2.897	-3.72%	20123	20082	-0.20%	65.9	64.7	-1.2	NO
3	3.014	2.945	-2.29%	20140	20138	-0.01%	64.7	65.2	0.5	NO
4	3.008	2.938	-2.33%	19979	20226	1.24%	63.7	64.9	1.2	NO
5	3.179	3.089	-2.83%	19983	19975	-0.04%	64.1	65.3	1.2	NO
6	3.010	2.946	-2.13%	20183	20129	-0.27%	64.0	65.0	1.0	NO
Mean(X-Bar)	3.038	2.963	-2.47%	20082	20092	0.05%	64.4	64.9	0.5	-
Standard Deviation	0.069	0.066	-	84.446	92.707	-	0.843	0.363	-	-
Single judgment	OK			OK			OK			OK

Evaluation :

[√] **Acceptance**
[ ] **Reject**

Remark :

The environmental conditions are as follows:
-Temperature range:15℃ to 35℃
-Relative humidity :25% to 75%
-air pressure :86Kpa to 106kpa(860 mbar to 1060 mbar)

File No.	Test Date	Tested By	Reviewed By	Approved By
	Start： 2019.05.25 08:50 End： 2019.05.29 09:00	Xiaowei.wang	Zongcheng.Li	Rocky.Lu

Grandvance Technology, Inc
RELIABILITY TEST REPORT

Available for these models with same physical structure.
This test report applies to 60*60*38mm series as the right table.

Part Number : AB0603812A-H-P0 Sample quantity : **6PCS**

Test item : Lock rotor & Dielectric strength & Insulation impedance test

Test Condition :

1. Test temperature : 25℃
2. Duration time : 96 hrs
3. Test voltage : 13.2 DCV
4. Dielectric strength test : 500V AC for 1min between frame and wire
5. Insulation impedance : 500V DC between frame and wire
6. Test the performance in the normal temperature after 2 hours

Inspection Criteria :

1. Rotational speed reduction: Speed drop of 15% below the original measured rpm under given operation conditions.
2. Increased current consumption: Increase >15% of original measured input current under given operation conditions.
3. A coustical Noise Emission : increase>3dB-A over the original measured sound level under given operation conditions.
4. Using the lowest voltage to inspect if the fan still operates.
5. Inspecting if there is any abnormal vibration under given operating conditions.
6. Inspecting if there is any abnormal noise under given operation conditions.
7. Inspecting external if there is any defects in fan.

Instruments used :

Test Data Between Initial Test and Final Test

Spec / NO.	Initial Test	Final Test	Deviation	Initial Test	Final Test	Deviation	Initial Test	Final Test	Deviation	Appearance inspection
	Current Spec.			Speed Spec.			Noise Spec.			Check whether there is any damage to the outside of the fan
	3.6A MAX		%	20000 RPM±10%		%	71dB-A MAX		dB-A	
1	3.016	2.919	-3.22%	20009	19925	-0.42%	63.6	64.6	1.0	NO
2	3.014	2.903	-3.68%	20002	19936	-0.33%	64.3	64.7	0.4	NO
3	3.019	2.942	-2.55%	19961	19874	-0.44%	63.8	64.2	0.4	NO
4	3.185	3.094	-2.86%	19931	19781	-0.75%	63.2	64.0	0.8	NO
5	3.031	2.949	-2.71%	20043	19889	-0.77%	64.8	64.5	-0.3	NO
6	2.988	2.897	-3.05%	20109	19939	-0.85%	64.5	64.7	0.2	NO
Mean(X-Bar)	3.042	2.951	-3.01%	20009	19891	-0.59%	64.0	64.5	0.4	-
Standard Deviation	0.071	0.073	-	62.598	59.795	-	0.602	0.288	-	-
Single judgment	OK			OK			OK			OK

Evaluation :	Remark :
[√] Acceptance **[ ] Reject**	The environmental conditions are as follows: -Temperature range:15℃ to 35℃ -Relative humidity :25% to 75% -air pressure :86Kpa to 106kpa(860 mbar to 1060 mbar)

File No.	Test Date	Tested By	Reviewed By	Approved By
	Start : 2019.05.19 09:10 End : 2019.05.23 09:20	Xiaowei.wang	Zongcheng.Li	Rocky.Lu

Grandvance Technology, Inc
RELIABILITY TEST REPORT

Available for these models with same physical structure.
This test report applies to 60*60*38mm series as the right table.

Part Number： AB0603812A-H-P0 Sample quantity：**6PCS**

Test item： Thermal shock test

Test Condition：

1. Low temperature： -40℃ / 30min
2. High temperature：+85℃ / 30min
3. Number of cycle：80 cycles
4. Transition time ：less than 5 minutes
5. Test the performance in the normal temperature after 2 hours

Inspection Criteria：

1. Rotational speed reduction: Speed drop of 15% below the original measured rpm under given operation conditions.
2. Increased current consumption: Increase >15% of original measured input current under given operation conditions.
3. A coustical Noise Emission : increase>3dB-A over the original measured sound level under given operation conditions.
4. Using the lowest voltage to inspect if the fan still operates.
5. Inspecting if there is any abnormal vibration under given operating conditions.
6. Inspecting if there is any abnormal noise under given operation conditions.
7. Inspecting external if there is any defects in fan.

Instruments used： 高低溫濕熱交變試驗箱

Test Data Between Initial Test and Final Test

Spec / NO.	Initial Test	Final Test	Deviation	Initial Test	Final Test	Deviation	Initial Test	Final Test	Deviation	Appearance inspection
	Current Spec.			Speed Spec.			Noise Spec.			Check whether there is any damage to the outside of the fan
	3.6A MAX		%	20000 RPM±10%		%	71dB-A MAX		dB-A	
1	3.029	2.963	-2.18%	20104	19963	-0.70%	64.2	64.7	0.5	NO
2	3.051	3.012	-1.28%	20193	20018	-0.87%	64.8	64.6	-0.2	NO
3	3.077	3.026	-1.66%	20207	20123	-0.42%	65.1	64.9	-0.2	NO
4	3.105	3.006	-3.19%	20177	20046	-0.65%	64.4	64.2	-0.2	NO
5	3.108	3.023	-2.73%	20079	19987	-0.46%	63.9	64.5	0.6	NO
6	3.156	3.104	-1.65%	20160	20045	-0.57%	65.0	64.8	-0.2	NO
Mean(X-Bar)	3.088	3.022	-2.12%	20153	20030	-0.61%	64.6	64.6	0.1	-
Standard Deviation	0.045	0.046	-	51.024	55.877	-	0.476	0.248	-	-
Single judgment	OK			OK			OK			OK

Evaluation :

[√] **Acceptance**
[ ] **Reject**

Remark :67.55

The environmental conditions are as follows:
-Temperature range:15℃ to 35℃
-Relative humidity :25% to 75%
-air pressure :86Kpa to 106kpa(860 mbar to 1060 mbar)

File No.	Test Date	Tested By	Reviewed By	Approved By
	Start： 2019.06.18 13:50 End： 2019.06.22 14:10	Xiaowei.wang	Zongcheng.Li	Rocky.Lu

Grandvance Technology, Inc
RELIABILITY TEST REPORT

Available for these models with same physical structure. This test report applies to 60*60*38mm series as the right table.						

Part Number： AB0603812A-H-P0　　Sample quantity : **6PCS**

Test item： Random vibration test

Test Condition：

1. Pulse shape：sine wave
2. Displacement: 1.5mm
3. Frequency range:
   a. 10Hz~55Hz / 30 sec
   b. 55Hz~10Hz / 30 sec
4. Linear scan 120 cycles
5. Endurance timer per axis：2 hrs
6. Orientation：X,Y,Z
7. Test the performance in the normal temperature after 2 hours

Inspection Criteria：

1. Rotational speed reduction: Speed drop of 15% below the original measured rpm under given operation conditions.
2. Increased current consumption: Increase >15% of original measured input current under given operation conditions.
3. A coustical Noise Emission : increase>3dB-A over the original measured sound level under given operation conditions.
4. Using the lowest voltage to inspect if the fan still operates.
5. Inspecting if there is any abnormal vibration under given operating conditions.
6. Inspecting if there is any abnormal noise under given operation conditions.
7. Inspecting external if there is any defects in fan.

Instruments used： 振動測試系統

Test Data Between Initial Test and Final Test

Spec / NO.	Initial Test	Final Test	Deviation	Initial Test	Final Test	Deviation	Initial Test	Final Test	Deviation	Appearance inspection
	Current Spec.			Speed Spec.			Noise Spec.			Check whether there is any damage to the outside of the fan
	3.6A MAX		%	20000 RPM±10%		%	71dB-A MAX		dB-A	
1	3.182	3.129	-1.67%	20125	20085	-0.20%	64.1	64.8	0.7	NO
2	3.106	3.078	-0.90%	20189	20036	-0.76%	64.7	64.9	0.2	NO
3	3.005	2.945	-2.00%	20149	20102	-0.23%	65.1	64.9	-0.2	NO
4	3.096	3.051	-1.45%	20221	20149	-0.36%	64.7	65.2	0.5	NO
5	3.101	2.982	-3.84%	20166	20085	-0.40%	64.4	65.0	0.6	NO
6	3.063	2.997	-2.15%	20206	20054	-0.75%	63.6	64.1	0.5	NO
Mean(X-Bar)	3.092	3.030	-2.00%	20176	20085	-0.45%	64.4	64.8	0.4	-
Standard Deviation	0.058	0.068	-	36.122	39.362	-	0.528	0.376	-	-
Single judgment	OK			OK			OK			OK

Evaluation :

[√] **Acceptance**
[ ] **Reject**

Remark :

The environmental conditions are as follows:
-Temperature range:15℃ to 35℃
-Relative humidity :25% to 75%
-air pressure :86Kpa to 106kpa(860 mbar to 1060 mbar)

File No.	Test Date	Tested By	Reviewed By	Approved By
	Start： 2019.05.09 10:00 End： 2019.05.14 14:00	Xiaowei.wang	Zongcheng.Li	Rocky.Lu

Grandvance Technology, Inc
RELIABILITY TEST REPORT

Available for these models with same physical structure.
This test report applies to 60*60*38mm series as the right table.

Part Number： AB0603812A-H-P0　　Sample quantity：**6PCS**

Test item : Mechanical shock test

Test Condition：

1. Pulse shape：half-sine wave
2. Peak acceleration：100G
3. Duration of pulse：11ms
4. Orientation：X,-X,Y,-Y,Z,-Z
5. Number of shock：3 shock for each axis ‧ total 18 times
6. Test the performance in the normal temperature after 2 hours

Inspection Criteria：

1. Rotational speed reduction: Speed drop of 15% below the original measured rpm under given operation conditions.
2. Increased current consumption: Increase >15% of original measured input current under given operation conditions.
3. A coustical Noise Emission : increase>3dB-A over the original measured sound level under given operation conditions.
4. Using the lowest voltage to inspect if the fan still operates.
5. Inspecting if there is any abnormal vibration under given operating conditions.
6. Inspecting if there is any abnormal noise under given operation conditions.
7. Inspecting external if there is any defects in fan.

Instruments used： 機械沖擊系統

Test Data Between Initial Test and Final Test

Spec / NO.	Initial Test	Final Test	Deviation	Initial Test	Final Test	Deviation	Initial Test	Final Test	Deviation	Appearance inspection
	Current Spec.			Speed Spec.			Noise Spec.			Check whether there is any damage to the outside of the fan
	3.6A MAX		%	20000 RPM±10%		%	71dB-A MAX		dB-A	
1	3.062	2.963	-3.23%	20148	20145	-0.01%	64.0	64.3	0.3	NO
2	3.118	3.102	-0.51%	20059	20156	0.48%	64.4	64.7	0.3	NO
3	3.066	3.025	-1.34%	20220	19985	-1.16%	63.9	64.4	0.5	NO
4	3.152	3.102	-1.59%	19992	20145	0.77%	63.7	64.0	0.3	NO
5	3.018	2.990	-0.93%	20084	20165	0.40%	64.1	64.8	0.7	NO
6	3.138	3.105	-1.05%	20226	19987	-1.18%	63.7	64.9	1.2	NO
Mean(X-Bar)	3.092	3.048	-1.44%	20122	20097	-0.12%	64.0	64.5	0.5	-
Standard Deviation	0.052	0.064	-	93.175	86.437	-	0.266	0.343	-	-
Single judgment	OK			OK			OK			OK

Evaluation :	**Remark :**
[√] **Acceptance** [ ] **Reject**	The environmental conditions are as follows: -Temperature range:15℃ to 35℃ -Relative humidity :25% to 75% -air pressure :86Kpa to 106kpa(860 mbar to 1060 mbar)

File No.	Test Date	Tested By	Reviewed By	Approved By
	Start： 2019.05.20 08:50 End： 2019.05.30 14:00	Xiaowei.wang	Zongcheng.Li	Rocky.Lu