

# 96ND500G-ST-SG7K2

## Test Report

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<b>Approved by</b>	Sophie.Song	<b>Job Title</b>		<b>Release Status</b>	Formal Release

**1. Product Information:**

Advantech Part Number	<b>96ND500G-ST-SG7K2</b>
Manufacturer:	<b>Seagate</b>
Model Number:	ST9500620NS
Capacity	500G
Cache capacity	64MB
Product Description:	Seagate 2.5"HDD 500GB
Firmware	SN01
Dimension (W x H x D) :	100.5x70.0x14.8
RoHS Status (Yes/No)	YES
Product Photo	



## 2. Test Software

- 1).NFCtest;
- 2). HD Tach version 3.0.4.0;
- 3). HD Tune version 2.52;
- 4). Power on/off;
- 5). Burn\_inV6.0.

## 3. Test Criteria

- 1、 Windows xp/2003/2008/7 can be installed and boot into OS properly;
- 2、 POST and BIOS should show the correct model name;
- 3、 There is no any error during formatting the HDD;
- 4、 Device manager should show the correct model name and capacity;
- 5、 Run NFCtest 3 rounds from one partition to another under windows;
- 6、 With the other device in different channel, Can boot into any device follow BIOS set;
- 7、 Run software “HD Tach version 3.0.4.0 and HD Tune version 2.52”, Recording the benchmark score and compare the score to other product.The HDD performance can reach the average value;
- 8、 Run Power on off 100 times, successful boot rate 100%;
- 9、 Run Burn\_inV6.0, Set DISK loading 100%,all disks file size 15%; The result of all disks should be Passed when running Burn\_in V6.0 for 12 hours.

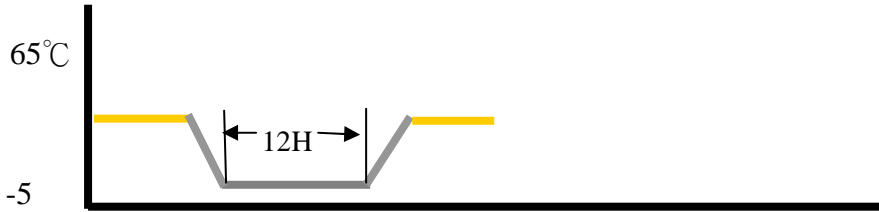
## 4. Test Result

### 1、 Room Temperature

Test Platform	Core Chipset	Testing Result	Note
AIMB-258	GM45 + ICH9M	PASS	Burn_in 24 hours
AIMB-556	Intel GME965 with ICH8M	PASS	
AIMB-780W	Intel 3450	PASS	
PCA-6010	945GC+ICH7	PASS	
PCA-6007	Intel 865GV +ICH5	PASS	
PCE-5125Q	IntelQ57	PASS	
PCE-5124	Q35 GMCH+ICH9DO	PASS	Burn_in 24 hours
PCE-7210	E7520+6300ESB	PASS	
PCM-4381	Intel 915GME+ICH6M	PASS	
PCM-9362	Atom N450+ICH8M	PASS	
PCM-9591	AMD M690E + SB600	PASS	
PCI-7020	945GC+ ICH7	PASS	

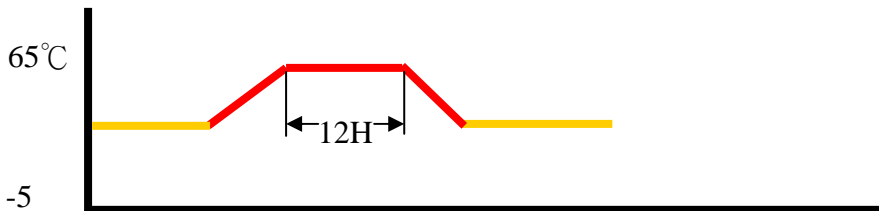
2、High/Low temperature

(1) Low temperature



Test Platform	Core Chipset	Testing Result	Note
PCA-6010	945GC+ICH7	PASS	Burn_in 24 hours and Power on/off 100 times

(2) High temperature



Test Platform	Core Chipset	Testing Result	Note
PCM-9362	Atom N450+ICH8M	PASS	Burn_in 24 hours and Power on/off 100 times

**5. Appendix**

NA