



Regulatory and certification documents package

Regulatory Model Number: [STA003](#)

Series Name(s): [Nytro 5000](#)

Internal Name: [Jaguar M.2](#)

<u>Date</u>	<u>Comments:</u>
6-13-2017	Package generated.
2-26-2018	Updated BSMI DoC
6-12-2019	Replaced TUV safety certs with consolidated certs.
7-10-2019	Updated CE Mark DoC with new RoHS declaration
7-26-2019	Added TUV consolidated certificates

Contents:

- Australia/New Zealand - RCM mark SDoC (Supplier Declaration of Conformity)
- Australia/New Zealand - CoT (Certificate of Test)
- Canada ICES - CoT (Certificate of Test)
- CB Certificate
- CE DoC (Declaration of Conformity)
- CE CoT (Certificate of Test)
- Korea RRL – Certificate
- Korea - CoT (Certificate of Test)
- UL/cUL safety
- TUV safety
- Taiwan BSMI certificate
- Taiwan CoT (Certificate of Test)



Supplier's Declaration of Conformity

Declaration of Conformity as a registered and responsible supplier under the Australian Communications and Media Authority (ACMA) regulatory arrangements for Regulatory Compliance Mark (RCM) and its placement.

Responsible Supplier Name: Seagate Technology Australia Pty Ltd
Responsible Supplier Number: E806

Seagate Technology Australia Pty. Limited
Level 7, 91 Phillip St
PARRAMATTA NSW 2150
AUSTRALIA

Declare under our sole responsibility that the following product(s):

Seagate Solid State Drive

Model: STA003

to which this declaration relates is in conformity with the following standard(s):

Title

Test Regulation

Australian/New Zealand Standard

AS/NZS CISPR 32: 2015

(Name of the Authorized Person)

Sam Zavaglia

(Title of the Authorized Person)

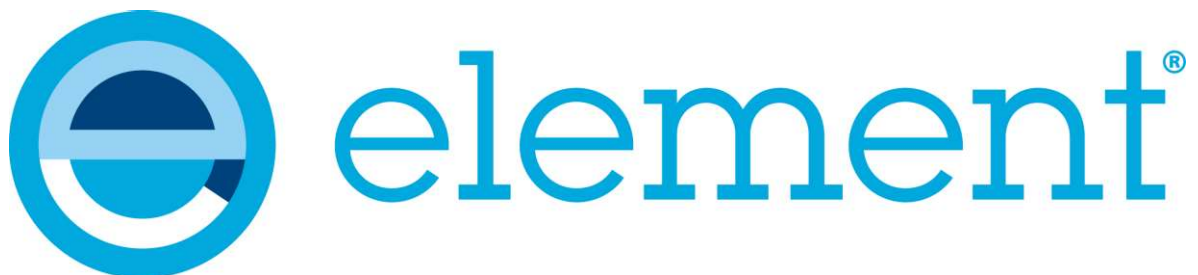
Senior Field Applications Engineer

(Date of Issue)

24th February 2017

(Signature)

A handwritten signature in blue ink, appearing to read 'S. Zavaglia', written over a horizontal line.



Seagate Technology LLC

STA003

Report # SEAG0127



NVLAP Lab Code: 200881-0

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government of the United States of America. This Report shall not be reproduced, except in full without written approval of the laboratory.



CERTIFICATE OF TEST

Last Date of Test: February 8, 2017
Seagate Technology LLC
Model: STA003

Emissions

Standards

Specification	Method
AS/NZS CISPR 32:2015 Class B	AS/NZS CISPR 32:2015
EN 55032:2012/AC:2013 Class B	CISPR 32:2015
FCC 15.107:2017 Class B	ANSI C63.4:2014
FCC 15.109(g):2017 Class B	
FCC 15.109:2017 Class B	
ICES-003:2016 Class B	
VCCI:2015-04 Class B	VCCI:2015-04
EN 61000-3-2:2014	IEC 61000-3-2:2014
EN 61000-3-3:2013	IEC 61000-3-3:2013

Results

Test Description	Applied	Results	Comments
Radiated Emissions	Yes	Pass	
Radiated Emissions High Frequency	Yes	Pass	
Conducted Emissions	Yes	Pass	
Telecom Conducted Emissions	Yes	Pass	
Harmonic Current Emissions	Yes	Pass	
Voltage Fluctuations and Flicker	Yes	Pass	

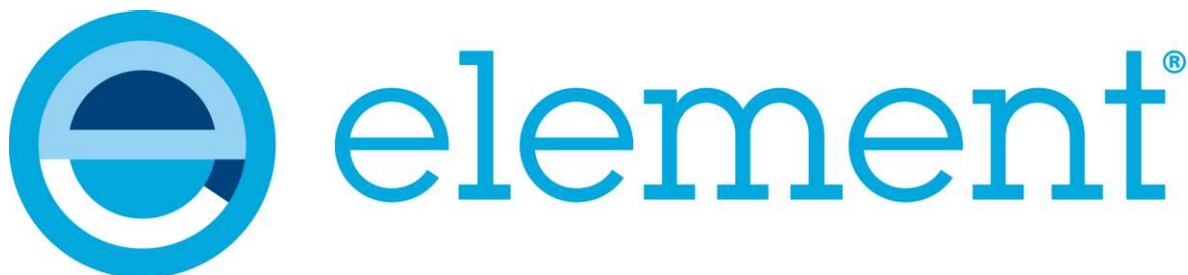
Deviations From Test Standards

None

Approved By:

Dean Ghizzone, General Manager

Product compliance is the responsibility of the client; therefore, the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test. This report reflects only those tests from the referenced standards shown in the certificate of test. It does not include inspection or verification of labels, identification, marking or user information.



Seagate Technology LLC

STA003

Report # SEAG0127



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CERTIFICATE OF TEST

Last Date of Test: February 8, 2017
Seagate Technology LLC
Model: STA003

Emissions

Standards

Specification	Method
AS/NZS CISPR 32:2015 Class B	AS/NZS CISPR 32:2015
EN 55032:2012/AC:2013 Class B	CISPR 32:2015
FCC 15.107:2017 Class B	ANSI C63.4:2014
FCC 15.109(g):2017 Class B	
FCC 15.109:2017 Class B	
ICES-003:2016 Class B	
VCCI:2015-04 Class B	VCCI:2015-04
EN 61000-3-2:2014	IEC 61000-3-2:2014
EN 61000-3-3:2013	IEC 61000-3-3:2013

Results

Test Description	Applied	Results	Comments
Radiated Emissions	Yes	Pass	
Radiated Emissions High Frequency	Yes	Pass	
Conducted Emissions	Yes	Pass	
Telecom Conducted Emissions	Yes	Pass	
Harmonic Current Emissions	Yes	Pass	
Voltage Fluctuations and Flicker	Yes	Pass	

Deviations From Test Standards

None

Approved By:

Dean Ghizzone, General Manager

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Ref. Certif. No.

DE 3 - 502314

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST
CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE)
CB SCHEME

SYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE CERTIFICAT D'ESSAI OC

Product

Produit

Disk drives

Name and address of the applicant

Nom et adresse du demandeur

Seagate Technology LLC

1280 Disc Drive

Shakopee, MN 55379-1863, USA

Name and address of the manufacturer

Nom et adresse du fabricant

Seagate Technology LLC

1280 Disc Drive, Shakopee, MN 55379-1863, USA

Name and address of the factory

Nom et adresse de l'usine

Benchmark Electronics, Inc. Winona Division

4065 Theurer Blvd, PO Box 5025, Winona, MN 55987, USA

For further information please see attachment

Ratings and principal characteristics

Valeurs nominales et caractéristiques principales

Rated Input Voltage: +3.3Vdc

Rated Frequency: dc

Rated Input Current: 2.50 A

Protection Class: III

Degree of Protection: IPX0

Trade mark (if any)

Marque de fabrique (si elle existe)

Seagate

Type of Manufacturer's Testing Laboratories used

Type de programme du laboratoire d'essais constructeur

CTF Stage 2

Model/type Ref.

Ref. de type

STA003

Additional information (if necessary)

Information complémentaire (si nécessaire)

A sample of the product was tested and found
to be in conformity with

Un échantillon de ce produit a été essayé et a été
considéré conforme à la

IEC 62368-1:2014

as shown in the Test Report Ref. No.

which forms part of this certificate

comme indiqué dans le Rapport d'essais numéro
de référence qui constitue une partie de ce
certificat

092-72124917-000

This CB Test Certificate is issued by the National Certification Body

Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**

Date,

2017-03-13

CB 17 03 41780 620

William P. Weller



Name and address of the
manufacturer
Nom et adresse du fabricant

Seagate Technology LLC
1280 Disc Drive
Shakopee, MN 55379 USA

(41780)

Name and address of the factory
Nom et adresse de l'usine

Benchmark Electronics (Thailand) PCL
94 MOO 1 Hi-Tech Industrial Estate,
Banlane, Bang Pa-In, Ayudhaya 13160
Thailand

(71141)

Benchmark Electronics, Inc.
Winona Division
4065 Theurer Blvd, PO Box 5025
Winona, MN 55987
USA

(53399)

Date, 2017-03-13

CB 17 03 41780 620



TÜV SÜD Product Service GmbH • Certification Body • Ridlerstrasse 65 • D-80339 München



Product Service

Model Differences:**Regulatory Model Number: STA003:**

*1920 GigaByte, PCI-e Gen 3x4, NVMe Interface, 8 GigaByte cache, , 512E or 4Kn format

960 GigaByte, PCI-e Gen 3x4, NVMe Interface, 8 GB cache, , 512E or 4Kn format

480 GigaByte, PCI-e Gen 3x4, NVMe Interface, 8 GB cache, , 512E or 4Kn format

* = Indicates configuration tested

Conditions of Acceptability:

1. Disc drives are to be supplied by a reliably SELV power supply.
2. Suitable enclosure (fire/mechanical) to be provided/evaluated when disc drive is installed in the end use product.
3. Drive was evaluated in an ambient temperature of 55°C. Product Manual states Tmra of 70°C as measured by SMART data. Air flow may be required to achieve constant nominal drive temperature values. Temperature tests should be considered in the end use product.
4. An external fan was part of test fixture to maintain recommended drive temperature during testing. Additional cooling is recommended as part of end use configuration to maintain recommended drive operating temperature at specific airflow.

Date, 2017-03-13

CB 17 03 41780 620

William P. Miller

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstrasse 65 • D-80339 München





EU Declaration of Conformity

Product Safety and EMC Compliance

The product(s) meets the requirements of The Electromagnetic Compatibility (EMC) Directive 2014/30/EU by application of the following standards:

<u>EN 55032:2012</u>	Electromagnetic compatibility of multimedia equipment — Emission requirements – class B.
<u>EN55024:2010</u>	Information Technology Equipment – Immunity Characteristics – Limits and Methods of Measurement
<u>EN61000-3-2:2014</u>	Limits for Harmonic Current Emissions (Equipment Input Current ≤16 Amps Per Phase)
<u>EN61000-3-3:2013</u>	Limitation of Voltage Changes, Voltage Fluctuations and Flicker in Low-Voltage Supply Systems for Equipment with Rated Current ≤16 Amps Per Phase

The product(s) meets the requirements of The Low Voltage Directive (LVD) 2014/35/EU by application of the following standard:

EN 62368-1:2014 Audio/video, information and communication technology equipment - Part 1: Safety requirements (IEC 62368-1:2014, Modified)

EN 60950-1:2006 /A11:2009 /A1:2010 /A12:2011/A2:2013 Information Technology Equipment - Safety- (Second Edition) Part 1: General Requirements

Product Environmental Compliance, EU/China RoHS Declaration of Conformity

Conformity with Harmonized Standards/Technical Specifications:

1. Directive 2011/65/EU RoHS “Recast” (RoHS 2) as amended by Directive (EU) 2015/863 and further amended by Directive 2018/739 and Directive 2018/740
EN 50581:2012
2. Management Methods for Controlling Pollution by Electronic Information Products, Ministry of Information Industry Order No. 39 (China RoHS)
3. Management Methods for the Restriction of the Use of Hazardous Substances in electrical and Electronic Products, Ministry of Industry and Information Technology Order No. 32 effective July 1, 2016 (China RoHS 2)
4. Joint JEDEC/ECA Standard, Definition of “Low-Halogen” for Electronic Products, JS709B

Seagate products rely on the following RoHS 2 exemptions for compliance:

6(a)-I	Lead as an alloying element in steel for machining purposes containing up to 0.35% lead by weight and in batch hot dip galvanized steel components containing up to 0.2% lead by weight
6(b)-II	Lead as an alloying element in aluminum for machining purposes up to 0.4% lead by weight
6c	Copper alloy up to 0.4% lead by weight
7a	Lead in high melting temperature type solders (i.e. lead-based solder alloys containing 85 % by weight or more lead)
7(c)-I	Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors (e.g. piezoelectronic devices) or in a glass or ceramic matrix compound

Due Diligence

For parts and materials in Seagate products procured from external suppliers, we rely on the representations of our suppliers regarding the presence of RoHS 2 substances in these parts and materials. Our supplier contracts require compliance with our chemical substance restrictions, and our suppliers document their compliance with our requirements by providing material content declarations for all parts and materials for Seagate products. Current supplier declarations include disclosure of any substances regulated by RoHS 2 in such parts or materials.

Seagate also has internal systems in place to ensure ongoing compliance and all laws and regulations. These systems include standard operating procedures that ensure that product safety, EMC and environmental compliance requirements are followed and an internal auditing process to ensure compliance with all standard operating procedures.

Year to Begin Affixing Mark: 2017

Manufacturer's Name:	Seagate Technology, LLC
Manufacturer's Address: (And Importer)	10200 South De Anza Blvd. Cupertino, California 95014-3029 U.S.A.
European Contact:	Director of Operations Seagate Singapore Int'l HQ Pte. Ltd Koolhovenlaan 1 1119 NB Schiphol - Rijk The Netherlands
Type of Equipment:	Solid State Drive
Product Name: (Internal)	Nytro 5000 (Jaguar M.2)
Regulatory Model Number(s):	STA003
Seagate Models:	XP1920LE30012 XP1920LE30002 XP480LE30002 XP960LE30012 XP960LE30002 XP480LE30022 XP480LE30032 XP960LE30022 XP480LE30012 XP960LE30032 XP400HE30032 XP800HE30002 XP1600HE30002 XP400HE30022 XP1600HE30012 XP800HE30012 XP400HE30012 XP800HE30032 XP800HE30022 XP400HE30002

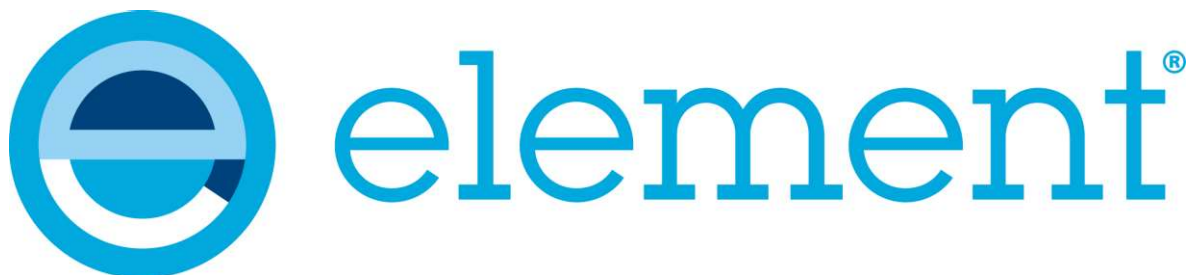
This product or products are in conformity with the relevant Union harmonization legislation. This declaration of conformity is issued under the sole responsibility of Seagate Technology LLC.

Date: July 9, 2019 | 14:38:46 PDT

DocuSigned by:

 (Signature)
 191C27331A2B4C5...

Matthew C. Brown
Vice President
Operations and Technology



Seagate Technology LLC

STA003

Report # SEAG0127



NVLAP Lab Code: 200881-0

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CERTIFICATE OF TEST

Last Date of Test: February 8, 2017
Seagate Technology LLC
Model: STA003

Emissions

Standards

Specification	Method
AS/NZS CISPR 32:2015 Class B	AS/NZS CISPR 32:2015
EN 55032:2012/AC:2013 Class B	CISPR 32:2015
FCC 15.107:2017 Class B	ANSI C63.4:2014
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EN 61000-3-3:2013	IEC 61000-3-3:2013

Results

Test Description	Applied	Results	Comments
Radiated Emissions	Yes	Pass	
Radiated Emissions High Frequency	Yes	Pass	
Conducted Emissions	Yes	Pass	
Telecom Conducted Emissions	Yes	Pass	
Harmonic Current Emissions	Yes	Pass	
Voltage Fluctuations and Flicker	Yes	Pass	

Deviations From Test Standards

None

Approved By:

Dean Ghizzone, General Manager

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2017-1-25

CERTIFICATE OF TEST

Last Date of Test: February 8, 2017
Seagate Technology LLC
Model: STA003

Immunity

Standards

Specification	Method
EN 55024:2010	IEC 61000-4-2:2008
	IEC 61000-4-3:2010
	IEC 61000-4-4:2012
	IEC 61000-4-5:2014
	IEC 61000-4-6:2013
	IEC 61000-4-8:2009
	IEC 61000-4-11:2004

Results

Test Description	Performance Criteria			Comments
	Applied	Standard Specified	Observed Criteria	
Electrostatic Discharge (ESD)	Yes	B	B	
Radiated Immunity	Yes	A	A	
Electrical Fast Transients and Bursts (EFT)	Yes	B	A	
Surge	Yes	B	A	
Conducted Immunity	Yes	A	A	
Magnetic Field Immunity	Yes	A	A	
Voltage Interruptions	Yes	C	C	
Voltage Dips	Yes	B/C	A	

Details on the application of the performance criteria, as well as any manufacturer provided performance criteria or acceptable degradation of performance, are all contained within the report.

Deviations From Test Standards

None

Approved By:

Dean Ghizzone, General Manager

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방송통신기자재등의 적합등록 필증

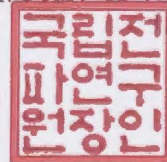
Registration of Broadcasting and Communication Equipments

상호 또는 성명 Trade Name or Registrant	SEAGATE TECHNOLOGY LLC
기자재 명칭 Equipment Name	Add-in Card
기본모델명 Basic Model Number	STA003
파생모델명 Series Model Number	ST1000KN0012, XP800HE30022, XP800HE30032, XP400HE30022, XP960LE30032, XP480LE30022, XP400HE30012, XP1600HE30012, XP400HE30032, XP400HE30002, XP800HE30012, XP800HE30002, XP960LE30022, XP960LE30012, XP1920LE30002, XP1600HE30002, XP480LE30012, XP960LE30002, XP480LE30032, XP480LE30002, ST2000KN0012, Nytro 5000, XP1920LE30012
등록번호 Registration No.	MSIP-REM-STX-STA003
제조사/제조(조립)국가 Manufacturer/Country of Origin	SEAGATE TECHNOLOGY LLC / 태국, 미국
등록연월일 Date of Registration	2017-03-02
기타 Others	

위 기자재는 「전파법」 제58조의2 제3항에 따라 등록되었음을 증명합니다.
It is verified that foregoing equipment has been registered under the Clause 3, Article 58-2 of Radio Waves Act.

2017년(Year) 03월(Month) 02일(Date)

국립전파연구원장



Director General of National Radio Research Agency

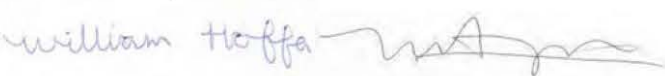
※ 적합등록 방송통신기자재는 반드시 "적합성평가표시" 를 부착하여 유통하여야 합니다.
위반시 과태료 처분 및 등록이 취소될 수 있습니다.



Report No. SEAG0127.1

NRRA Notice No. 2015-110 (2015.12.03) Test Method for Electromagnetic Compatibility

Applicant Information	Applicant:	Seagate Technology LLC	
	Address:	1280 Disc Drive Shakopee, MN 55379	
	Contact Name:	Curt Propson	
Product Information	Equipment Name:	Add-in Card	
	Model Name:	STA003	
	KCC ID Number	MSIP-REM-STX-STA003	
	Manufacturer:	Seagate Technology, International	
	Manufacturer Address:	Benchmark Electronics (Thailand) P C L Hi-Tech Industrial Estate 94 Moo 1 Banlane Bang Pa-In Ayudhaya 13160 Thailand Benchmark Electronics, Inc. 4065 Theurer Blvd Winona, MN 55987-1537	
	Origin Country:	Thailand	
Date(s) of testing		1/23/2017, 1/25/2017, 1/26/2017, 2/7/2017, 2/8/2017	
Equipment Class		☐ Class A	☒ Class B
Test Results		☒ PASS	☐ FAIL
Lab Performing the Tests	Element Materials Technology Brooklyn Park Lab 22975 NW Evergreen Parkway, Suite 400 Hillsboro, OR 97124 USA 503-844-4066 888-364-2378		

  Test Technician Cole Ghizzone, William Hoffa, Marcelo Aguayo	 General Manager Dean Ghizzone
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CERTIFICATE OF TEST

Last Date of Test: February 8, 2017
Seagate Technology LLC
Model: STA003

Emissions

Standards

Specification	Method
KN32 Class B	KN32

Technical Requirements for Electromagnetic Compatibility: NRRRA Notice 2015-27 (2015.12.03)

Test Methods for Electromagnetic Compatibility: NRRRA Notice 2015-110 (2015.12.03)

Notice regarding Conformity Evaluation of Broadcasting and Communication Equipment: NRRRA Notice 2015-26 (2015.11.30)

Results

Test Description	Applied	Results	Comments
Radiated Emissions	Yes	Pass	
Radiated Emissions High Frequency	Yes	Pass	
Conducted Emissions	Yes	Pass	
Telecom Conducted Emissions	Yes	Pass	

Deviations from Test Standards

None

Approved By:

Dean Ghizzone, General Manager

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CERTIFICATE OF TEST

Last Date of Test: February 8, 2017
Seagate Technology LLC
Model: STA003

Immunity

Standards

Specification	Method
KN 35	KN 61000-4-2 KN 61000-4-3 KN 61000-4-4 KN 61000-4-5 KN 61000-4-6 KN 61000-4-8 KN 61000-4-11

Technical Requirements for Electromagnetic Compatibility: NRRA Notice 2015-27 (2015.12.03)

Test Methods for Electromagnetic Compatibility: NRRA Notice 2015-110 (2015.12.03)

Notice regarding Conformity Evaluation of Broadcasting and Communication Equipment: NRRA Notice 2015-26 (2015.11.30)

Results

Test Description	Performance Criteria			Comments
	Applied	Standard Specified	Observed Criteria	
Electrostatic Discharge (ESD)	Yes	B	B	
Radiated Immunity	Yes	A	A	
Electrical Fast Transients and Bursts (EFT)	Yes	B	A	
Surge	Yes	B	A	
Conducted Immunity	Yes	A	A	
Magnetic Field Immunity	Yes	A	A	
Voltage Interruptions	Yes	C	C	
Voltage Dips	Yes	B/C	A	

Details on the application of the performance criteria, as well as any manufacturer provided performance criteria or acceptable degradation of performance, are all contained within the report.

Deviations from Test Standards

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Dean Ghizzone, General Manager

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CERTIFICATE OF COMPLIANCE

Certificate Number 20170314-E145123
Report Reference E145123-A47-UL
Issue Date 2017-MARCH-14

Issued to: SEAGATE TECHNOLOGY L L C
1280 DISC DR
SHAKOPEE MN 55379-1863

**This is to certify that
representative samples of**

COMPONENT - INFORMATION TECHNOLOGY EQUIPMENT
INCLUDING ELECTRICAL BUSINESS EQUIPMENT;
COMPONENT - AUDIO/VIDEO, INFORMATION AND
COMMUNICATION TECHNOLOGY EQUIPMENT
Solid State Drive, Models STA003.

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 60950-1 and CAN/CSA C22.2 No. 60950-1-07, Information
Technology Equipment - Safety - Part 1: General Requirements.

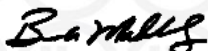
Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog
number, model number or other product designation as specified under "Marking" for the particular
Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products
that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark:
, may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is
required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual
recognitions.

Recognized components are incomplete in certain constructional features or restricted in performance
capabilities and are intended for use as components of complete equipment submitted for investigation rather
than for direct separate installation in the field. The final acceptance of the component is dependent upon its
installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please
contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>





Product Service

CERTIFICATE

No. B 041780 0680 Rev. 00

Holder of Certificate: Seagate Technology LLC

1280 Disc Drive
Shakopee, MN 55379-1863
USA

Certification Mark:

**Product:**

Disk drives

Disc Drive (Information Technology Equipment)

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 092-72144112-000

Valid until: 2020-12-20

Date, 2019-04-25

 Adrian Rabago Valenzuela)



Product Service

CERTIFICATE

No. B 041780 0680 Rev. 00

Model(s):

Regulatory Models (Seagate 1200.2 SSD Family):

2.5 inch models:
STR004, STR005

1.8 inch model:
STR006

Regulatory Models (Seagate 1200 SSD Drive Family):

2.5 inch models:
ST800FM0013, ST800FM0023, ST800FM0163,
ST800FM0153, ST800FM0033, ST400FM0013,
ST400FM0033, ST400FM0223, ST400FM0213,
ST200FM0013, ST200FM0033, ST800FM0043,
ST800FM0053, ST800FM0063, ST400FM0053,
ST400FM0073, ST200FM0053, ST200FM0073

1.8 inch models:
ST400FM0023, ST400FM0043, ST200FM0023,
ST200FM0043, ST100FM0023, ST100FM0043,
ST400FM0063, ST400FM0083, ST200FM0063,
ST200FM0083, ST100FM0063, ST100FM0083,
ST100FM0093, ST200FM0093, ST400FM0093,
ST100FM0103, ST200FM0103, ST400FM0103,
ST100FM0113, ST200FM0113, ST400FM0113,
ST100FM0123, ST200FM0123, ST400FM0123

Regulatory Models (SSD Family):

STA003, STA004, STA010, STR003, STR011, STL001,
STR010

Regulatory Models (Seagate Jofa SSD Family):

STA008, STA009



Product Service

CERTIFICATE

No. B 041780 0680 Rev. 00

PARAMETERS

Rated Input Voltage:

Regulatory Models (Seagate 1200.2 SSD Family):

2.5 inch models: 5 VDC / 12 VDC

1.8 inch model: 3.3 VDC / 5 VDC

Regulatory Models (Seagate 1200 SSD Drive Family):

2.5 inch models: 5 VDC / 12 VDC

1.8 inch models: 3.3 VDC / 5 VDC

Regulatory Models (SSD Family):

STA003: 3.3 VDC

STA004: 12 VDC

STA010 240 GB and 480 GB: 5 VDC

STA010 960 GB, 1920 GB, 3840 GB: 5 VDC and 12 VDC

STR003: 12 VDC

STR011: 3.3 VDC

STL001: 3.3 VDC

STR010: 12 VDC

Regulatory Models (Seagate Jofa SSD Family):

STA008: 5 VDC / 12 VDC

STA009: 5 VDC / 12 VDC

Rated Input Current:

Regulatory Models (Seagate 1200.2 SSD Family):

2.5 inch models: 0.95 A / 0.60 A (STR005), 1.0 A / 0.95 A (STR004)

1.8 inch model: 1.65 A / 1.50 A

Regulatory Models (Seagate 1200 SSD Drive Family):

2.5 inch models: 0.7 A / 0.4 A

1.8 inch models: 0.7 A / 0.85 A

Regulatory Models (SSD Family):

STA003: 2.50 A

STA004 Solid State Drive: 1.0 A

STA010 Solid State Drive 240 GB and 480 GB: 0.80 A

STA010 Solid State Drive 960 GB, 1920 GB, 3840 GB: 1.00 A and 0.05 A

STR003: 1.04 A

STR011: 2.5 A

STL001: 2.5 A

STR010: 1.04 A

Regulatory Models (Seagate Jofa SSD Family):

STA008: 0.80 A / 0.30 A

STA009: 0.80 A / 0.45 A

Protection Class:

Class III

Degree of Protection:

IPX0

Temperature:

5°C to 60°C for Seagate 1200.2 and Seagate 1200 SSD Families

0°C to 70°C for STA003, STA004, STA010, STR003, STR011, STL001, STR010, STA009

Altitude of Operation:

Up to 3048 m



Product Service

CERTIFICATE

No. B 041780 0680 Rev. 00

Conditions of Acceptability:

1. Disc drives are to be supplied by a reliable SELV power supply.
2. Suitable enclosure (fire/mechanical) to be provided/evaluated when disc drive is installed in the end use product.
3. Proper air flow should be considered in the end product to maintain maximum case temperature of 60°C for Seagate 1200.2 and Seagate 1200 SSD Families.
4. Proper air flow should be considered in the end product to maintain maximum case temperature of 70°C for STA003, STA004, STA010, STR003, STR011, STL001, STR010, STA008, STA009 models.

Tested according to: EN 60950-1:2006/A2:2013

Production Facility(ies): 041780, 071141, 039917, 096907



Product Service

CERTIFICATE

No. B 041780 0679 Rev. 00

Holder of Certificate:

Seagate Technology LLC
1280 Disc Drive
Shakopee, MN 55379-1863
USA

Certification Mark:



Product:

Disk drives

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.:

092-72144455-000

Valid until:

2024-02-21

Date,

2019-05-09

(Adrian Rabago Valenzuela)

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Product Service

CERTIFICATE

No. B 041780 0679 Rev. 00

Model(s):

Regulatory Models: STR004, STR005, STR006, ST800FM0013, ST800FM0043, ST800FM0023, ST800FM0163, ST800FM0153, ST800FM0073, ST800FM0033, ST800FM0063, ST400FM0013, ST400FM0053, ST400FM0033, ST400FM0223, ST400FM0213, ST400FM0073, ST400FM0113, ST400FM0093, ST400FM0123, ST400FM0103, ST200FM0013, ST200FM0053, ST200FM0033, ST200FM0073, ST200FM0113, ST200FM0093, ST200FM0123, ST200FM0103, ST100FM0113, ST100FM0093, ST100FM0123, ST100FM0103, ST400FM0023, ST400FM0063, ST400FM0043, ST400FM0083, ST200FM0023, ST200FM0063, ST200FM0043, ST200FM0083, ST100FM0023, ST100FM0063, ST100FM0043, ST100FM0083, STA003, STA004, STA008, STA009, STA010, STL001, STR010, STR003, STR011

Parameters:

Rated Input Voltage:	See below for inputs to specific models
Rated Frequency:	See below for inputs to specific models
Rated Input Current:	See below for inputs to specific models
Protection Class:	III
Degree of Protection:	IPX0

Regulatory Models (1200.2 SSD family):

STR004: +5Vdc, 1.0A / +12Vdc, 0.95A
STR005: +5Vdc, 0.95A / +12Vdc, 0.60A
STR006: +3.3Vdc, 1.65A / +5Vdc, 1.50A

Regulatory Models (1200 SSD family), model variations:

1.8 inch models: +3.3Vdc, 0.70A / +5Vdc, 0.85A
2.5 inch models: +5Vdc, 0.70A / +12Vdc, 0.40A



Product Service

CERTIFICATE

No. B 041780 0679 Rev. 00

Regulatory Models (SSD Series):

STA003: +3.3Vdc, 2.5 A

STA004: +12Vdc, 1.0 A

STA008: +5Vdc, 0.80A / +12Vdc, 0.30A

STA009: +5Vdc, 0.80A / +12Vdc, 0.45A

STA010: +5Vdc, 0.80A (240, 480 GB),

+5Vdc, 1.0A; +12Vdc, 0.05A (960, 1,920, 3,840 GB)

STL001: +3.3Vdc, 2.5 A

STR010: +12Vdc, 1.04 A

Regulatory Models:

STR003: +12Vdc, 1.04A

STR011: +3.3Vdc, 2.50A

Conditions of Acceptability:

1. Solid State Devices are to be supplied by a reliably SELV power supply.
2. Suitable enclosure (fire/mechanical) to be provided/evaluated when disc drive is installed in the end use product.
3. Solid State Devices were evaluated with a fan supplying 41 CFM air flow. Proper air flow should be considered in the end use product to maintain maximum case temperature of 60°C.



Product Service

CERTIFICATE

No. B 041780 0679 Rev. 00

Model #	Capacity/GB	Interface	Disc / Heads	Cache (GB)	Part Number	SED Enabled	FIPS Label	Board Type
2.5" Managed Life								
ST800FM0013	800	SAS	N/A	8	1D3272-XXX	No	No	MACALLAN
ST800FM0023	800	SAS	N/A	8	1EX212-XXX	Yes	No	MACALLAN
ST800FM0163	800	SAS	N/A	8	1VP262-XXX	No	No	MACALLAN
ST800FM0153	800	SAS	N/A	8	1V1262-XXX	Yes	No	MACALLAN
ST800FM0033	800	SAS	N/A	8	1EX222-XXX	Yes	Yes	MACALLAN
ST400FM0013	400	SAS	N/A	4	1D3262-XXX	No	No	DALWHINNIE
ST400FM0033	400	SAS	N/A	4	1EW212-XXX	Yes	No	DALWHINNIE
ST400FM0023	400	SAS	N/A	4	1VP272-XXX	No	No	DALWHINNIE
ST400FM0213	400	SAS	N/A	4	1V1272-XXX	Yes	No	DALWHINNIE
ST200FM0013	200	SAS	N/A	4	1D3252-XXX	No	No	DALWHINNIE
ST200FM0033	200	SAS	N/A	4	1EV212-XXX	Yes	No	DALWHINNIE
2.5" Usage Based								
ST800FM0043	800	SAS	N/A	8	1GD272-XXX	No	No	MACALLAN
ST800FM0073	800	SAS	N/A	8	1GM272-XXX	Yes	No	MACALLAN
ST800FM0063	800	SAS	N/A	8	1GP272-XXX	Yes	Yes	MACALLAN
ST400FM0053	400	SAS	N/A	4	1GD262-XXX	No	No	DALWHINNIE
ST400FM0073	400	SAS	N/A	4	1GM262-XXX	Yes	No	DALWHINNIE
ST200FM0053	200	SAS	N/A	4	1GD252-XXX	No	No	DALWHINNIE
ST200FM0073	200	SAS	N/A	4	1GM252-XXX	Yes	No	DALWHINNIE
1.8" Managed Life								
ST400FM0023	400	SAS	N/A	4	1D4262-XXX	No	No	TALISKER
ST400FM0043	400	SAS	N/A	4	1F1212-XXX	Yes	No	TALISKER
ST200FM0023	200	SAS	N/A	4	1D4252-XXX	No	No	TALISKER
ST200FM0043	200	SAS	N/A	4	1EZ212-XXX	Yes	No	TALISKER
ST100FM0023	100	SAS	N/A	4	1D4242-XXX	No	No	TALISKER
ST100FM0043	100	SAS	N/A	4	1EY212-XXX	No	No	TALISKER
1.8" Usage Based								
ST400FM0063	400	SAS	N/A	4	1GE262-XXX	No	No	TALISKER
ST400FM0083	400	SAS	N/A	4	1GN262-XXX	Yes	No	TALISKER
ST200FM0063	200	SAS	N/A	4	1GE252-XXX	No	No	TALISKER
ST200FM0083	200	SAS	N/A	4	1GN252-XXX	Yes	No	TALISKER
ST100FM0063	100	SAS	N/A	4	1GE242-XXX	No	No	TALISKER
ST100FM0083	100	SAS	N/A	4	1GN242-XXX	No	No	TALISKER
HE Usage Based								
ST100FM0093	100	SAS	N/A	4	1GX242-XXX	No	No	DALWHINNIE
ST200FM0093	200	SAS	N/A	4	1GX252-XXX	No	No	DALWHINNIE
ST400FM0093	400	SAS	N/A	8	1GX262-XXX	No	No	MACALLAN
ST100FM0103	100	SAS	N/A	4	1GY242-XXX	Yes	No	DALWHINNIE
ST200FM0103	200	SAS	N/A	4	1GY252-XXX	Yes	No	DALWHINNIE
ST400FM0103	400	SAS	N/A	8	1GY262-XXX	Yes	No	MACALLAN
HE Managed Life								
ST100FM0113	100	SAS	N/A	4	1GZ242-XXX	No	No	DALWHINNIE
ST200FM0113	200	SAS	N/A	4	1GZ252-XXX	No	No	DALWHINNIE
ST400FM0113	400	SAS	N/A	8	1GZ262-XXX	No	No	MACALLAN
ST100FM0123	100	SAS	N/A	4	1H1242-XXX	Yes	No	DALWHINNIE
ST200FM0123	200	SAS	N/A	4	1H1252-XXX	Yes	No	DALWHINNIE
ST400FM0123	400	SAS	N/A	8	1H1262-XXX	Yes	No	MACALLAN

Tested according to:

EN 62368-1:2014/A11:2017

Production
Facility(ies):

041780, 071141, 096907, 039917

符合性聲明書
Declaration of Conformity

報驗義務人代碼 Code of the applicant	編號 Number
D33027	1712151626

本符合性聲明書應依商品檢驗法規定備齊相關技術文件後始得簽具
Please check all the related technical documents in accordance with the Commodity Inspection Act before signing the form.

報驗義務人：台灣希捷科技股份有限公司(Seagate Technology Taiwan, Ltd.)

Obligatory Applicant

地址：臺北市松山區復興北路 363 號 14 樓 B 室

Address

電話：886-2-2514-2201

Telephone

商品中 (英) 文名稱：固態磁碟機 SSD

Commodity Name

商品型式 (或型號)：STA003

Commodity Type (Model)

符合之檢驗標準及版次：CNS 13438 (2006.6) (EMC)/ Section 5 "Marking of presence" of CNS 15663 2013.7) (RoHS)
Standard(s) and version

試驗報告編號：SEAG0127-1 (EMC/ 17H0759 (RoHS))

Test Report Number

試驗室名稱及代號：Element Materials Technology (EMC)/ Environmental Monitoring Technologies, Inc. (RoHS)

Testing laboratory name and designation number

SL2-IN-E-1152R (EMC)

符合性聲明檢驗標識及識別號碼：

The form of the DoC marking appears like this



D33027

RoHS

或
or



D33027

RoHS

茲聲明上述商品符合商品檢驗法符合性聲明之規定，若因違反本聲明書所聲明之內容，願意擔負相關法律責任。

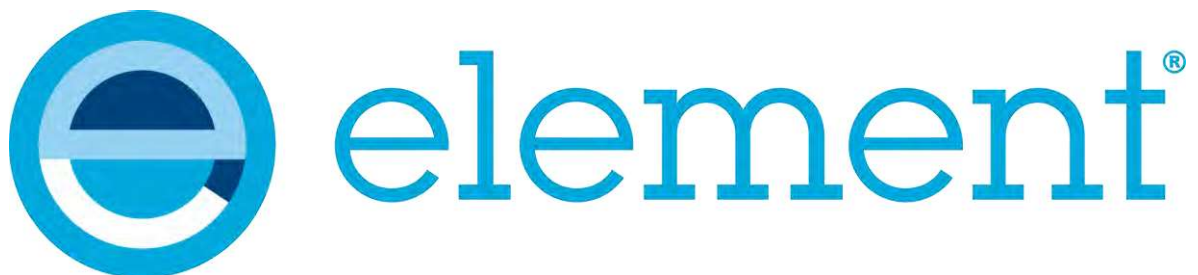
I hereby declare that the listed commodity conforms to Declaration of Conformity requirements stipulated in the Commodity Inspection Act.

I agree to take any legal obligations should violations against the Declaration of Conformity occur.

報驗義務人：台灣希捷科技股份有限公司/G raldine Hottier-Fayon (簽章)

Obligatory Applicant The Board Chairman of Seagate Technology Taiwan (Signature)

中 華 民 國 106 年 12 月 15 日
DATE (year) (month) (day)



Seagate Technology LLC

STA003

Report # SEAG0127.2



NVLAP Lab Code: 200881-0

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government of the United States of America. This Report shall not be reproduced, except in full without written approval of the laboratory.



CERTIFICATE OF TEST

Last Date of Test: February 8, 2017
Seagate Technology LLC
Model: STA003

Emissions

Standards

Specification	Method
CNS 13438:2006 (Complete) Class B	CNS 13438:2006 (Complete)

Results

Test Description	Applied	Results	Comments
Radiated Emissions	Yes	Pass	
Radiated Emissions High Frequency	Yes	Pass	
Conducted Emissions	Yes	Pass	
Telecom Conducted Emissions	Yes	Pass	

Deviations from Test Standards

None

Approved By:

Dean Ghizzone, General Manager

Product compliance is the responsibility of the client; therefore, the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test. This report reflects only those tests from the referenced standards shown in the certificate of test. It does not include inspection or verification of labels, identification, marking or user information.