



Reg Model: STL010
(Cimarron, SATA)
Regulatory
Assurance Certification

July 24, 2019

Rev B

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Author: Regulatory Assurance

CERTIFICATE OF COMPLIANCE

Certificate Number 20180917-E190397
Report Reference E190397-A6001-UL
Issue Date 2018-SEPTEMBER-17

Issued to: SEAGATE SINGAPORE INTERNATIONAL
HEADQUARTERS PTE LTD
THE SHUGART
26 AYER RAJAH CRESCENT
SINGAPORE 139944 SINGAPORE


This is to certify that representative samples of COMPONENT - AUDIO/VIDEO, INFORMATION AND COMMUNICATION TECHNOLOGY EQUIPMENT
See Addendum Page for Models

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

Standard(s) for Safety: UL 62368-1 and CAN/CSA C22.2 No. 62368-1-14,
Audio/video, information and communication technology equipment Part 1: Safety 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.



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 www.ul.com/locateul.



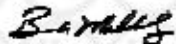
CERTIFICATE OF COMPLIANCE

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Look for the UL Certification Mark on the product.

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Hard Drive
STL010 and STL011



Bruce Mahrenholz, Director North American Certification Program

UL LLC

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Ref. Certif. No.
US-32419-UL

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

CB TEST CERTIFICATE

Product	Hard Drive
Name and address of the applicant	SEAGATE SINGAPORE INTERNATIONAL HEADQUARTERS PTE LTD THE SHUGART 26 AYER RAJAH CRESCENT SINGAPORE 139944 SINGAPORE
Name and address of the manufacturer	SEAGATE SINGAPORE INTERNATIONAL HEADQUARTERS PTE LTD THE SHUGART 26 AYER RAJAH CRESCENT SINGAPORE 139944 SINGAPORE
Name and address of the factory	SEAGATE TECHNOLOGY INTERNATIONAL (WUXI) CO LTD NO. 2 XING CHUANG ER LU, ZONE B, EXPORT PROCESSING ZONE WUXI-SINGAPORE INDUSTRIAL PARK WUXI JIANGSU 214028 CHINA <input checked="" type="checkbox"/> Additional Information on page 2
Ratings and principal characteristics	5Vdc, 0.85A 12Vdc: 0.99A (Optional)
Trademark (if any)	None
Type of Customer's Testing Facility (CTF) Stage used	CTF Stage 2
Model / Type Ref.	STL010, STL011
Additional information (if necessary may also be reported on page 2)	Additionally evaluated to EN 62368-1:2014 / A11-2017; National Differences specified in the CB Test Report. <input type="checkbox"/> Additional Information on page 2
A sample of the product was tested and found to be in conformity with	IEC 62368-1:2014
As shown in the Test Report Ref. No. which forms part of this Certificate	E190397-A8001-CB-1 issued on 2018-09-10, E190397-A8001-CB-1 issued on 2018-09-11

This CB Test Certificate is issued by the National Certification Body

UL (US), 333 Plingsten Rd IL 60062, Northbrook, USA
 UL (Denko), Borupvang 5A DK-2750 Balleup, DENMARK
 UL (JP), Marunouchi Trust Tower Main Building 8F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
 UL (CA), 7 Underwriters Road, Toronto, M1R 2G4 Ontario, CANADA

Date: 2018-09-12

Signature:

Jolanta M. Wroblewska

For full legal entity name see www.ul.com/mcbrnames



Ref. Certif. No.

US-32419-UL

Factories:
SEAGATE TECHNOLOGY (THAILAND) LTD
90 MOO 15 A SUNGNEON, T SUNGNEON NAKHON RATCHASIMA 30170
THAILAND

Additional information (if necessary)



- UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL (Denko), Borupvang 5A DK-2750 Bellerup, DENMARK
- UL (JP), Maruhouchi Trust Tower Main Building 6F, 1-8-3 Matsunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/mcbrnmax

Date: 2018-09-12

Signature:

Jolanta M. Wroblewska



CERTIFICATE

No. B 061811 0157 Rev. 00

Holder of Certificate: Seagate Technology International
The Shugart, 26 Ayer Rajah Crescent
Singapore 139944
SINGAPORE

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.: 092-72143126-000

Valid until: 2023-10-09

Date, 2018-10-11

(Adrian Rabago Valenzuela)



CERTIFICATE

No. B 061811 0157 Rev. 00

Model(s): Regulatory Model STL010 and STL011
 Hard Disk Drive Series

Regulatory Model Number STL010
** 8 TeraByte, Serial -ATA Interface (SATA), 256 MegaByte cache, 5 discs/10 heads, 512E format
6 TB, SATA Interface, 256 MB cache, 3 discs/6 heads, 512E format
4 TB, SATA Interface, 128 MB cache, 2 discs/4 heads, 512E format
2 TB, SATA Interface, 128 MB cache, 2 discs/3 heads, 512E format

** = Indicates units used for testing

Regulatory Model Number STL011
** 8 TeraByte, Serial -Attached-SCSI Interface (SAS), 256 MegaByte cache, 5 discs/10 heads, 512E or 4Kn format
6 TB, SAS Interface, 256 MB cache, 3 discs/6 heads, 512E format or 4Kn format
4 TB, SAS Interface, 256 MB cache, 2 discs/4 heads, 512E format or 4Kn format
2 TB, SAS Interface, 256 MB cache, 2 discs/3 heads, 512E format or 4Kn format

** = Indicates units used for testing

Note: Any variations in capacity, cache size, format size, NAND or no NAND and security options can be incorporated to create various model configurations. These drives are available in Serial- Attached- SCSI (SAS) interface only. All configurations will fall under RMN STL010 or STL011.



CERTIFICATE

No. B 061811 0157 Rev. 00

Parameters:	Rated Input Voltage:	+5Vdc / +12Vdc
	Rated Frequency:	dc
	Rated Input Current:	0.85 A / 0.99 A
	Protection Class:	III
	Degree of Protection:	IPX0

- Conditions of Acceptability:
1. Drives are to be supplied by a reliably SELV power supply.
 2. Suitable enclosure (fire/mechanical) to be provided/evaluated when drive is installed in the end use product.
 3. Drives were evaluated at maximum ambient (55°C) determined by Seagate specification. Seagate specification also states, a maximum allowable drive case temperature of 60°C. This specification was exceeded during testing.
 4. Locked rotor tests of spindle motor were conducted in accordance with Annex B.4.3, IEC 62368-1.

Tested according to: EN 62368-1:2014

Production Facility(ies): 061810, 064076





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 standard:

<u>EN 55032:2012</u>	Electromagnetic compatibility of multimedia equipment - Emission requirements, Class B
<u>EN 55024:2010</u>	Information Technology Equipment – Immunity characteristics – Limits and methods of measurement
<u>EN 61000-3-2:2014</u>	Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
<u>EN 61000-3-3:2013</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(s):

<u>EN 60950-1:2006 /A11:2009 /A1:2010 /A12:2011/A2:2013</u>	Information Technology Equipment - Safety- (Second Edition) Part 1: General Requirements
<u>EN 62368-1:2014</u>	Audio/Video, information and communication technology equipment - Part 1: Safety requirements (IEC 62368-1:2014, Modified)

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
2. EN 50581:2012
3. Management Methods for Controlling Pollution by Electronic Information Products, Ministry of Information Industry Order No. 39 (China RoHS)
4. 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)
5. 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. piezoelectric devices) or in a glass or ceramic matrix compound

Year to Begin Affixing Mark:	2018
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:	Hard Disc Drive
Internal Product Name:	Cimarron, SATA
Regulatory Model Number:	STL010

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 7, 2019 | 20:06:49 PDT

DocuSigned by:

Signature: _____
Matthew Brown 191C27331AEB4C5...
Vice President
Operations Quality



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 it's 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):

Hard Disk Data Storage Drive

Model: STL010

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) **4th September 2018**

(Signature)

A handwritten signature in blue ink, appearing to be 'Sam Zavaglia', is written over a horizontal line.

符合性聲明書 Declaration of Conformity

報驗義務人代碼 Code of the applicant	編號 Number
D33027	1809051330

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：+886-2-25142273

Telephone

商品中(英)文名稱：硬式磁碟機 HDD

Commodity Name

商品型式(或型號)：(STL010), ST4000NM016A, ST3000NM000A, ST1000NM002A, ST2000NM008A, ST4000NM000A,

ST4000NM008A, ST4000NM012A, ST2000NM006A, ST2000NM010A, ST3000NM004A, ST4000NM002A, ST4000NM006A,

ST2000NM000A, ST2000NM001A, ST1000NM000A, ST3000NM002A, ST4000NM011A, ST1000NM004A, ST4000NM010A,

ST2000NM012A, ST4000NM001A, ST2000NM002A, ST8000NM000A, ST6000NM000A, ST8000NM011A, ST6000NM007A,

ST6000NM015A, ST8000NM008A, ST8000NM002A, ST8000NM004A, ST8000NM005A, ST6000NM002A, ST6000NM014A,

ST8000NM012A, ST6000NM006A, ST6000NM010A, ST6000NM011A, ST8000NM009A, ST8000NM016A, ST6000NM004A,

ST2000NM008A, ST2000NM008A, ST2000NM010A, ST2000NM010A, ST1000NM004A, ST1000NM004A, ST2000NM012A,

ST2000NM012A, ST4000NM020A, ST4000NM018A, ST4000DX004, ST6000DM006, ST4000DM008, ST8000DM008, ST2000DM012,

ST6000VN004, ST8000VN004, ST4000NE000, ST6000NE000, ST2000NE001, ST4000NE001, ST8000NE001, ST8000VX004, ST6000VX004

Commodity Type (Model)

符合之檢驗標準及版次：CNS 13438 (2006.6), CNS 14336-1 (2010.9) Section 5 "Marking of presence" of

CNS 15663 2013.7)

Standard(s) and version

試驗報告編號：SEAG0186.2 (EMC)

Test Report Number

試驗室名稱及代號：Element Materials Technology (EMC)

Testing laboratory name and designation number

SL2-IN-E-1152R

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 violation against the Declaration of Conformity occur.

Applicant:



The Board Chairman of Seagate Technology Taiwan/Geraldine Hottier-Fayon

(簽章)

Obligatory Applicant

(Signature)

中 華 民 國

107
(year)

年

9
(month)

月

5
(day)

日

방송통신기자재등의 적합등록 필증

Registration of Broadcasting and Communication Equipments

상호 또는 성명 Trade Name or Registrant	SEAGATE TECHNOLOGY LLC
기자재명칭(제품명칭) Equipment Name	Hard Disc Drive
기본모델명 Basic Model Number	STL010
파생모델명 Series Model Number	ST8000NM002A, ST6000VX004, ST2000NE001, ST4000NE001, ST8000NE001, ST8000VN004, ST4000DM008, ST6000DM006, ST1000NM004A, ST4000NM016A, ST8000VX004, ST4000NE000, ST6000NE000, ST5000VN004, ST2000DM012, ST4000DX004, ST8000DM008, ST2000NM012A, ST6000NM015A, ST8000NM013A, ST3000NM004A, ST4000NM013A, ST6000NM010A, ST8000NM008A, ST2000NM008A, ST2000NM006A, ST8000NM014A, ST8000NM012A, ST4000NM012A, ST6000NM011A, ST8000NM009A, ST1900NM002A, ST2000NM010A, ST3000NM002A, ST4000NM002A, ST5000NM007A, ST8000NM005A, ST1000NM000A, ST2000NM001A, ST3000NM000A, ST4000NM020A, ST4000NM000A, ST6000NM004A, ST6000NM002A, ST8000NM000A, ST4000NM010A, ST6000NM006A, ST6000NM006A, ST8000NM004A, ST2000NM002A, ST2000NM000A, ST4000NM018A, ST4000NM001A, ST4000NM002A, ST6000NM000A, ST8000NM016A
등록번호 Registration No.	R-R-STX-STL010
제조사/제조(조립)국가 Manufacturer/Country of Origin	SEAGATE TECHNOLOGY LLC / 태국, 중국
등록연월일 Date of Registration	2018-09-03
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.

2018년(Year) 09월(Month) 03일(Day)

국립전파연구원장



Director General of National Radio Research Agency

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