

Seagate Singapore Design Centre, Singapore

SKR001 (V9) Regulatory Assurance Certification



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**Issue Date: 26 Feb 2019
Revision 9.3**

Safety Certification

Test Objective:

Verifies that product meets the required Safety requirements as stipulated by UL, and TUV Safety Agencies; and also European Directives:

- UL 60950-1, 2nd Edition, 2014-10-14
- TUV EN60950-1, IEC 60950-1

Test Description:

The product was submitted to and tested by the safety agencies.

The product is certified for cUL mark through UL Korea under Underwriter Laboratories (UL) file E190397. Attached is the Certificate of Compliance to apply the cUL mark.

The product is certified for TUV SUD mark through TUV SUD Korea Corporation. Attached is the TUV SUD Certificate.

Pass/Fail Criteria:

Product meets the stipulated Safety requirements.

Product:

Product Name: Hard Disk Drive

Conclusion:

The unit passed the above safety tests and standards. Due to similarities in the hard disk drives, it was only necessary to test one model in order to pass for all models.

Agency / Standards	Conclusion	Approved to Bear Agency's Marks
UL60950-1	Compliance with applicable cUL	
TUV EN60950-1, IEC 60950-1	Compliance with IEC60950, Compliance with EN60950	

CERTIFICATE OF COMPLIANCE

Certificate Number 20170428-E190397
Report Reference E190397-A32-UL
Issue Date 2017-APRIL-28

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 - INFORMATION TECHNOLOGY
EQUIPMENT INCLUDING ELECTRICAL BUSINESS
EQUIPMENT
Hard Disk Drive: SKR001

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

Standard(s) for Safety: See addendum for standards.
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/about/locations/>



CERTIFICATE OF COMPLIANCE

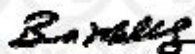
Certificate Number 20170428-E190397
Report Reference E190397-A32-UL
Issue Date 2017-APRIL-28

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

Standards for Safety:

UL 60950-1, Information Technology Equipment - Safety - Part 1: General Requirements

CAN/CSA C22.2 No. 60950-1-07, Information Technology Equipment - Safety - Part 1: General Requirements



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/about/locations/>





Product Service

CERTIFICATE

No. B 16 02 87435 041

Holder of Certificate: Seagate Technology International

18, 59 beon-gil, Po Eun-daero Suji-gu
Yongin-city, Gyeonggi-do 448-130
REPUBLIC OF KOREA

Production Facility(ies):

64076, 61810

Certification Mark:



Product:

Hard disk drive

Model(s):

SKR001

Trademark : SEAGATE

Parameters:

Rated input: 5 V d.c., 0.55 A and 12 V d.c., 0.37 A
Protection Class: III

Tested according to:

EN 60950-1:2006/A2:2013
IEC 60950-1(ed.2);am1;am2

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.:

077-2046416-001

Valid until:

2021-02-10

Date, 2016-02-12

(Havard Lee)

Page 1 of 1



	Ref. Certif. No. SG-OF-14134A1
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	Hard disk drive
Name and address of the applicant Nom et adresse du demandeur	Seagate Technology International 18, 59 beon-gil, Pocheon-daero Suji-gu Yongin-city, Gyeonggi-do 448-130, REPUBLIC OF KOREA
Name and address of the manufacturer Nom et adresse du fabricant	Seagate Technology International 18, 59 beon-gil, Pocheon-daero Suji-gu, Yongin-city, Gyeonggi-do 448-130, REPUBLIC OF KOREA
Name and address of the factory Nom et adresse de l'usine	Seagate Technology (Wuxi) International Co., Ltd. 106 Xing Chuang Er Lu., Wuxi-Singapore Industrial Park., 214028 Wuxi, Jiangsu, PEOPLE'S REPUBLIC OF CHINA For further information please see attachment
Ratings and principal characteristics Valeurs nominales et caractéristiques principales	Rated input : 5 V d.c., 0.55 A and 12 V d.c., 0.37 A Protection class : III
Trade mark (if any) Marque de fabrique (si elle existe)	SEAGATE
Model/type Ref. Ref. de type	SKR001
Additional information (if necessary) Information complémentaire (si nécessaire)	Certificate SG-OF-14134 issued 2016-02-05 is replaced by this version due to non-technical changes. See Test Report for National and Group Differences.
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 60950-1(ed.2);am1;am2
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	TÜV SÜD PSB Pte Ltd 077-2046416-001
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, 2016-02-12 CBS 16 02 87435 040	 (Havard Lee)
TÜV SÜD PSB Pte Ltd · 1 Science Park Drive · Singapore 118221	
 PSB Singapore	



ElectroMagnetic Compatibility

Test Objective:

Verify that the product, which is an internal computer peripheral with no direct connection to external I/O or power, meets applicable EMC emission and immunity standards when installed in a representative host system. This is done by verifying that the product, in the system, complies with the appropriate limits for FCC, CE Mark, C-tick(RCM), and VCCI. For FCC, applicable limits are found in CFR 47, Part 15, Subpart B, Class B, and for CE, C-tick(RCM), and VCCI are found in EN 55032 Class B. Immunity requirements for CE Marking are defined in EN 55024

Test Description:

Testing is performed with the drive installed in representative host system. The host system in this case, is a Notebook laptop or Desktop and the drive is exercised random write/read mode for all testing. The drive is monitored for correct operation throughout the testing.

Emission testing (performed at a 10m Chamber) and immunity testing are performed at an EMC facility, which has been certified by SAC-SINGLAS.

Emission testing consists of the following:

1. Conducted emissions, 150 kHz to 30 MHz, 110 Vac/60 Hz (FCC)
2. Conducted emissions, 150 kHz to 30 MHz, 230 Vac/50 Hz {CE, C-tick(RCM), VCCI}
3. Radiated emissions, 30 MHz to 1 GHz, 10-meter antenna distance
4. Radiated emissions, 1 GHz to 6 GHz, 3-meter antenna distance
5. AC power line harmonics, per EN61000-3-2 : 2014
6. AC power line flicker, per EN61000-3-3: 2013

Immunity testing includes the following:

1. Electrostatic discharge per IEC 61000-4-2 (Level B)
2. Radiated RF field immunity per IEC 61000-4-3 and EN 50204 (Level A)
3. Electrical Fast Transient/Burst per IEC 61000-4-4 (Level B)
4. Surge Immunity per IEC 61000-4-5 (Level B)
5. Conducted RF Immunity per IEC 61000-4-6 (Level A)
6. Power Frequency H-field Immunity per IEC 61000-4-8 (Level A)
7. Voltage Dips and Interrupts per IEC 61000-4-11 (Level B, C)

Pass/Fail Criteria:

For immunity testing, the drive must meet different levels of performance (A, B or C) for the various RF environments to which it is exposed. These are defined as follows:

Performance Level A - no degradation in performance, no loss of data

Performance Level B - degraded performance acceptable provided that 1) no data is lost and 2) unit self-recovers without user intervention after the RF environment has been withdrawn

Performance Level C - reset acceptable, user intervention acceptable provided that unit suffers no permanent damage.

Product:

Product Name: Hard Disk Drive

Conclusion:

No modifications were made to pass. No Specification deviations, additions to or exclusions from were performed. Due to similarities in the drives, the test conclusions are applicable to hard disk drive.

Standard	Result	Approved to Bear CE & RCM Marks
EN 55032:2015 EN 61000-3-2: 2014 EN 61000-3-3: 2013 EN 55024: 2010 IEC 61000-4-2: 2008 IEC 61000-4-3: 2010 IEC 61000-4-4: 1995 IEC 61000-4-5: 1995 IEC 61000-4-6: 1996 IEC 61000-4-8: 1993 IEC 61000-4-11: 1994	Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass	

Test Data:

EMC Immunity Test Results

Specification	Test Method	Test Conditions	Compliance
Electrostatic Discharge	IEC 61000-4-2	4 kV Contact / HCP, VCP / 8 kV Air	Compliant
RF Radiated Immunity	IEC-61000-4-3 EN 50204	80 - 1000 MHz, 3 V/m, 80% 1 kHz AM	Compliant
EFT/Burst	IEC 61000-4-4	0.5 kV I/O, 1 kV AC mains	Compliant
Surge Immunity	IEC 61000-4-5	2 kV comm. mode, 1 kV diff. mode, AC mains	Compliant
Conducted RF Immunity	IEC 61000-4-6	150 kHz to 80 MHz, 3 Vrms, 80% 1 kHz AM, power and I/O	Compliant
Power Frequency Magnetic Field Immunity	IEC 61000-4-8	1 Amp / meter, 3 axes, 50 Hz and 60Hz	Compliant
Voltage Dips and Interrupts	IEC 61000-4-11	0% open and short for 5 seconds, 40% for 0.1 second, 70% for 0.01 second	Compliant



EU DECLARATION OF CONFORMITY

Model: SKR001 (V9)

I. Product Safety and EMC Compliance

- A. The Electromagnetic Compatibility (EMC) Directive 2014/30/EU by application of the following standards:

EN 55032:2015	Electromagnetic compatibility of multimedia equipment — Emission requirements.
EN 55024:2010	Information technology equipment – Immunity characteristics – Limits and methods of measurement.
EN 61000-3-2:2014	Electromagnetic compatibility (EMC) - Part 3-2: Limits for harmonic current emissions (equipment input current $\leq$ 16 A per phase).
EN 61000-3-3:2013	Electromagnetic compatibility (EMC) - Part 3-3: Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current $\leq$ 16 A per phase.

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

EN 60950-1:2006	Information technology equipment - Safety - General requirements. (Second Edition) Part 1: +A11:2009 +A1:2010 +A12:2011+ A2:2013.
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II. Product Environmental Compliance, EU/China RoHS Declaration of Conformity

- A. 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

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

Exemption Description
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 galvanised 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

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 International.

Date of Issue: Sep 24, 2018

Signature:



Azeez Talha, Engineering Director

Signed for and on behalf of:

Seagate Technology International
Koolhovenlaan 1
1119 NB Schiphol-Rijk
The Netherlands



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: SKR001

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

Title	Test Regulation
<u>Australian/New Zealand Standard</u>	<u>AS/NZS CISPR 32: 2015</u>

(Name of the Authorized Person) Sam Zavaglia

(Title of the Authorized Person) Senior Field Applications Engineer

(Date of Issue) 23rd January 2017

(Signature)

A handwritten signature in blue ink, appearing to read 'Sam Zavaglia', 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	STX19022603

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

Address

電話：02-2514-2273

Telephone

商品中(英)文名稱：硬式磁碟機

Commodity Name

商品型式(或型號)：SKR001

Commodity Type (Model)

ST4000VM000, ST4000VN000, ST4000VN005, ST4000VX002, ST4000VX000, ST4000VX006, ST4000VN007, ST4000DM000, ST4000VN003, ST4000DM005, ST4000VN008, ST4000VX007, ST3000DM003, ST3000VM002, ST3000VN000, ST3000VX002, ST3000DM010, ST3000VN007

符合之檢驗標準及版次：CNS 13438/ Complete 2006 Class B, Section 5 "Marking of presence" of CNS 15663 (2013.7) Standard(s) and version

試驗報告編號：T160713C10D R1, ATS/GENV/92/16/yao

Test Report Number

試驗室名稱及代號：香港商立德國際商品試驗有限公司, ALS TECHNICHEM (S) PTE LTD

Testing laboratory name and designation number

SL2-IN-E-0049

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/Géraldine Hottier-Fayon (簽章)

The Board Chairman of Seagate Technology Taiwan

Obligatory Applicant

(Signature)

中華民國 108 年 2 月 26 日

DATE

(year)

(month)

(day)

방송통신기자재등의 적합등록 필증

Registration of Broadcasting and Communication Equipments

상호 또는 성명 Trade Name or Registrant	SEAGATE TECHNOLOGY LLC
기자재명칭(제품명칭) Equipment Name	HARD DISK DRIVE
기본모델명 Basic Model Number	SKR001
파생모델명 Series Model Number	ST3000DM003, ST3000VN007, ST4000VN008, ST4000VX007, ST4000DM005, ST3000DM010, ST4000VN003, ST4000DM000, ST4000VN007, ST4000VX006, ST4000VX000, ST4000VX002, ST4000VN005, ST4000VN000, ST4000VM000, ST3000VX002, ST3000VN000, ST3000VM002
등록번호 Registration No.	MSIP-REM-STX-SKR001
제조사/제조(조립)국가 Manufacturer/Country of Origin	SEAGATE TECHNOLOGY LLC / 중국, 태국
등록연월일 Date of Registration	2016-02-12
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.

2019년(Year) 02월(Month) 20일(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.



Declaration of Conformity

Standards to which conformity is declared:

FCC Part 15B

ICES-003 Issue 5, Class B

47 CFR FCC Part 15B: 2012 (Class B)

Information Technology Equipment (ITE) - Limits
and methods of measurement

Manufacturer Name: Seagate Technology, Incorporated

Manufacturer Address: 10200 South DeAnza Boulevard
(And Importer) Cupertino California 95014

Type of Equipment : Hard Disk Drive

Product Model Number : SKR001

Seagate Technology, Incorporated hereby declares that the equipment specified above conforms with the protection requirements of the above named Directive(s) and Standards.

Location: Gwanggyo, South Korea

Certificate Date: 16 Feb, 2016

Amendment Date: 22 Mar, 2016

A handwritten signature in black ink, appearing to read 'YH Han'.

(Signature)

Young Hwan Han

(Full Printed Name)

Sr Engineering Manager

(position)

Seagate Singapore Design Centre, Singapore

SKR004 (V11 3D/4D) Regulatory Assurance Certification



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**This document has been issued electronically.
Only the original recipient of the document will be notified with revision information.**

**Issue Date: 7 Jan 2020
Revision 6.1**

Safety Certification

Test Objective:

Verifies that product meets the required Safety requirements as stipulated by UL, and TUV Safety Agencies; and also European Directives:

- UL 60950-1
- TUV EN 60950-1, IEC 60950-1, EN 62368-1, IEC 62368-1

Test Description:

The product was submitted to and tested by the safety agencies.

The product is certified for cUL mark through UL Korea under Underwriter Laboratories (UL) file E190397. Attached is the Certificate of Compliance to apply the cUL mark.

The product is certified for TUV SUD mark through TUV SUD Korea Corporation. Attached is the TUV SUD Certificate.

Pass/Fail Criteria:

Product meets the stipulated Safety requirements.

Product:

Product Name: Hard Disk Drive

Conclusion:

The unit passed the above safety tests and standards. Due to similarities in the hard disk drives, it was only necessary to test one model in order to pass for all models.

Agency / Standards	Conclusion	Approved to Bear Agency's Marks
UL60950-1	Compliance with applicable cUL	
TUV EN 60950-1, IEC 60950-1 TUV EN 62368-1, IEC 62368-1	Compliance with IEC60950, EN60950, IEC62368, EN62368	

CERTIFICATE OF COMPLIANCE

Certificate Number 20170428-E190397
Report Reference E190397-A35-UL
Issue Date 2017-APRIL-28

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 - INFORMATION TECHNOLOGY
EQUIPMENT INCLUDING ELECTRICAL BUSINESS
EQUIPMENT
Hard Disk Drive: SKR004

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

Standard(s) for Safety: See addendum for standards.

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/about/locations/



CERTIFICATE OF COMPLIANCE

Certificate Number 20170428-E190397
Report Reference E190397-A35-UL
Issue Date 2017-APRIL-28

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

Standards for Safety:

UL 60950-1, Information Technology Equipment - Safety - Part 1: General Requirements
CAN/CSA C22.2 No. 60950-1-07, Information Technology Equipment - Safety - Part 1: General Requirements



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/go/custservlocations>.



CERTIFICATE

No. B 17 02 87435 051



Product Service

Holder of Certificate: Seagate Technology International

18, 59 beon-gil, Poeun-daero Suji-gu
Yongin-city, Gyeonggi-do 448-130
REPUBLIC OF KOREA

Production Facility(ies):

64076, 61810

Certification Mark:



Product:

Hard disk drive

Model(s):

SKR004
Trademark : SEAGATE

Parameters:

Rated input: 5 V d.c., 0.55 A and 12 V d.c., 0.37 A
Protection Class: III

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

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.:

077-2379216-001

Valid until:

2019-06-19

Date, 2017-02-20

(Havard Lee)

Page 1 of 1





CERTIFICATE

No. B 061811 0165 Rev. 00

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

Production Facility(ies): 064076, 061810

Certification Mark:



Product: **Hard disk drive**

Model(s): **SKR004**

Parameters:
 Rated input: 5 V d.c., 0.55 A and 12 V d.c. , 0.37 A
 Protection class: III
 Remark: When installing, all requirements of below mentioned test standards must be fulfilled.

Brand Name: SEAGATE

Tested according to: EN 62368-1:2014/A11:2017

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.: 077-1321819-000
Valid until: 2024-12-12

Date, 2019-12-17


 (Kevin Park)

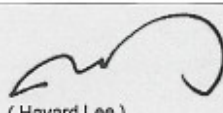
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px 5px;">Ref. Certif. No.</td> </tr> <tr> <td style="text-align: center; padding: 2px 5px;">SG PSB-OF-00872A1</td> </tr> </table>	Ref. Certif. No.	SG PSB-OF-00872A1
Ref. Certif. No.			
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IEC 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
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CB TEST CERTIFICATE CERTIFICAT D'ESSAI OC

Product Produit	Hard disk drive
Name and address of the applicant Nom et adresse du demandeur	Seagate Technology International 18, 59 beon-gil, Poeun-daero Suji-gu Yongin-city, Gyeonggi-do 448-130, REPUBLIC OF KOREA
Name and address of the manufacturer Nom et adresse du fabricant	Seagate Technology International 18, 59 beon-gil, Poeun-daero Suji-gu, Yongin-city, Gyeonggi-do 448-130, REPUBLIC OF KOREA
Name and address of the factory Nom et adresse de l'usine	Seagate Technology (Wuxi) International Co., Ltd. 106 Xing Chuang Er Lu., Wuxi-Singapore Industrial Park., 214028 Wuxi, Jiangsu, PEOPLE'S REPUBLIC OF CHINA For further information please see attachment
Ratings and principal characteristics Valeurs nominales et caractéristiques principales	Rated input : 5 V d.c., 0.55 A and 12 V d.c., 0.37 A Protection class : III
Trade mark (if any) Marque de fabrique (si elle existe)	SEAGATE
Model/type Ref. Ref. de type	SKR004
Additional information (if necessary) Information complémentaire (si nécessaire)	Certificate SG PSB-OF-00872 issued 2016-10-31 is replaced by this version due to non-technical changes. See Test Report for National and Group Differences.
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 60950-1:2005 IEC 60950-1:2005/AMD1:2009 IEC 60950-1:2005/AMD2:2013
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	TÜV SÜD PSB Pte Ltd 077-2379216-001

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, 2017-02-20 CBS 17 02 87435 050	 (Havard Lee)	 PSB Singapore
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TÜV SÜD PSB Pte Ltd · 1 Science Park Drive · Singapore 118221

	Ref. Certif. No.
<u>CB Certificate Ref. No. SG PSB-OF-00872A1</u>	
Additional factory information Name and address of the factory <i>Nom et adresse de l'usine</i>	Seagate Technology (Thailand) Ltd. 90 Moo 15 Tambol Sungnoen Amphur Sungnoen Nakhon Ratchasima 30170 THAILAND
Trade Mark	
Date: 2017-02-20	 Signature: (Havard Lee)  PSB Singapore

	Ref. Certif. No. SG PSB-IV-01027
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IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product Name and address of the applicant Name and address of the manufacturer Name and address of the factory Ratings and principal characteristics Trade mark Model/type Ref. Additional information (if necessary) A sample of the product was tested and found to be in conformity with as shown in the Test Report Ref. No. which forms part of this certificate	Hard disk drive Seagate Technology International The Shugart, 26 Ayer Rajah Crescent Singapore 139944 SINGAPORE Seagate Technology International The Shugart, 26 Ayer Rajah Crescent, Singapore 139944, SINGAPORE Seagate Technology (Thailand) Ltd. 90 Moo 15 Tambol Sungnoen Amphur, Sungnoen, Nakhon Ratchasima 30170, THAILAND Seagate Technology (Wuxi) International Co., Ltd. 106 Xing Chuang Er Lu, Wuxi-Singapore Industrial Park, 214028 Wuxi, Jiangsu, PEOPLE'S REPUBLIC OF CHINA Rated input: 5 V d.c., 0.55 A and 12 V d.c. , 0.37 A Protection class: III Remark: When installing, all requirements of below mentioned test standards must be fulfilled. SEAGATE SKR004 See Test Report for National and Group Differences. IEC 62368-1:2018 077-2321819-000
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This CB Test Certificate is issued by the National Certification Body

CBS 061811 0166 Rev. 00 Date, 2019-12-18	 (Kevin Park)	 PSB Singapore
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Page 1 of 1
 TÜV SÜD PSB Pte Ltd • 1 Science Park Drive • Singapore 118221

ElectroMagnetic Compatibility

Test Objective:

Verify that the product, which is an internal computer peripheral with no direct connection to external I/O or power, meets applicable EMC emission and immunity standards when installed in a representative host system. This is done by verifying that the product, in the system, complies with the appropriate limits for FCC, CE Mark, C-tick(RCM), and VCCI. For FCC, applicable limits are found in CFR 47, Part 15, Subpart B, Class B, and for CE, C-tick(RCM), and VCCI are found in EN 55032 Class B. Immunity requirements for CE Marking are defined in EN 55024

Test Description:

Testing is performed with the drive installed in representative host system. The host system in this case, is a Notebook laptop or Desktop and the drive is exercised random write/read mode for all testing. The drive is monitored for correct operation throughout the testing.

Emission testing (performed at a 10m Chamber) and immunity testing are performed at an EMC facility, which has been certified by SAC-SINGLAS.

Emission testing consists of the following:

1. Conducted emissions, 150 kHz to 30 MHz, 110 Vac/60 Hz (FCC)
2. Conducted emissions, 150 kHz to 30 MHz, 230 Vac/50 Hz {CE, C-tick(RCM), VCCI}
3. Radiated emissions, 30 MHz to 1 GHz, 10-meter antenna distance
4. Radiated emissions, 1 GHz to 6 GHz, 3-meter antenna distance
5. AC power line harmonics, per EN61000-3-2 : 2014
6. AC power line flicker, per EN61000-3-3: 2013

Immunity testing includes the following:

1. Electrostatic discharge per IEC 61000-4-2 (Level B)
2. Radiated RF field immunity per IEC 61000-4-3 and EN 50204 (Level A)
3. Electrical Fast Transient/Burst per IEC 61000-4-4 (Level B)
4. Surge Immunity per IEC 61000-4-5 (Level B)
5. Conducted RF Immunity per IEC 61000-4-6 (Level A)
6. Power Frequency H-field Immunity per IEC 61000-4-8 (Level A)
7. Voltage Dips and Interrupts per IEC 61000-4-11 (Level B, C)

Pass/Fail Criteria:

For immunity testing, the drive must meet different levels of performance (A, B or C) for the various RF environments to which it is exposed. These are defined as follows:

Performance Level A - no degradation in performance, no loss of data

Performance Level B - degraded performance acceptable provided that 1) no data is lost and 2) unit self-recovers without user intervention after the RF environment has been withdrawn

Performance Level C - reset acceptable, user intervention acceptable provided that unit suffers no permanent damage.

Product:

Product Name: SKR004 (V11 3D/4D)

Conclusion:

No modifications were made to pass. No Specification deviations, additions to or exclusions from were performed. Due to similarities in the drives, the test conclusions are applicable to hard disk drive.

Standard	Result	Approved to Bear CE & RCM Marks
EN 55032:2015 - Class B EN 61000-3-2: 2014 EN 61000-3-3: 2013 EN 55024: 2010 IEC 61000-4-2: 2008 IEC 61000-4-3: 2010 IEC 61000-4-4: 1995 IEC 61000-4-5: 1995 IEC 61000-4-6: 1996 IEC 61000-4-8: 1993 IEC 61000-4-11: 1994	Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass	

Test Data:

EMC Immunity Test Results

Specification	Test Method	Test Conditions	Compliance
Electrostatic Discharge	IEC 61000-4-2	4 kV Contact / HCP, VCP / 8 kV Air	Compliant
RF Radiated Immunity	IEC-61000-4-3 EN 50204	80 - 1000 MHz, 3 V/m, 80% 1 kHz AM	Compliant
EFT/Burst	IEC 61000-4-4	0.5 kV I/O, 1 kV AC mains	Compliant
Surge Immunity	IEC 61000-4-5	2 kV comm. mode, 1 kV diff. mode, AC mains	Compliant
Conducted RF Immunity	IEC 61000-4-6	150 kHz to 80 MHz, 3 Vrms, 80% 1 kHz AM, power and I/O	Compliant
Power Frequency Magnetic Field Immunity	IEC 61000-4-8	1 Amp / meter, 3 axes, 50 Hz and 60Hz	Compliant
Voltage Dips and Interrupts	IEC 61000-4-11	0% open and short for 5 seconds, 40% for 0.1 second, 70% for 0.01 second	Compliant



EU DECLARATION OF CONFORMITY

TYPE OF EQUIPMENT: Hard Disc Drive
REGULATORY MODEL: SKR004
Internal Product Name: V11 3D/4D
TRADE/BRAND NAME: Seagate

I. Product Safety and EMC Compliance

- A. The Electromagnetic Compatibility (EMC) Directive 2014/30/EU by application of the following standards:

EN 55032:2012/AC: 2013	Electromagnetic compatibility of multimedia equipment — Emission requirements.
EN 55024:2010	Information technology equipment – Immunity characteristics – Limits and methods of measurement.
EN 61000-3-2:2014	Electromagnetic compatibility (EMC) - Part 3-2: Limits for harmonic current emissions (equipment input current ≤ 16 A per phase).
EN 61000-3-3:2013	Electromagnetic compatibility (EMC) - Part 3-3: Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase.

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

EN 60950-1:2006 /A11:2009 /A1:2010 /A12:2011/A2:2013	Information Technology Equipment - Safety- (Second Edition) Part 1: General Requirements
EN 62368-1:2014/AC:2015	Audio/video, information and communication technology equipment - Part 1: Safety requirements (IEC 62368-1:2014, Modified)

II. Product Environmental Compliance (EU/China)

- A. The product(s) meets the requirements of the 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 and by application of the following standards:

EN 50581:2012	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances.
EN 62321-6:2015	Determination of certain substances in electrotechnical products. Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by gas chromatography-mass spectrometry (GC-MS).
China RoHS	Management Methods for Controlling Pollution by Electronic Information Products, Ministry of Information Industry Order No. 39 (China RoHS)

China RoHS 2

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)

JS709B

Joint JEDEC/ECA Standard, Definition of "Low-Halogen" for Electronic Products

B. 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 galvanised 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
6(c)	Copper alloy up to 4% lead by weight
7(a)	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

III. Due Diligence

- A. 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.
- B. 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: 2016

Manufacturer's Name: Seagate Technology, LLC
Manufacturer's Address: 10200 South De Anza Blvd.
Cupertino, California 95014-3029 U.S.A.

European Contact: Seagate Technology International
Koolhovenlaan 1
1119 NB Schiphol-Rijk
The Netherlands

Date of Issue: Jan 7, 2020

Signature:


Azeez Talha, Engineering Director



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):

Hard Disk Data Storage Drive

Model: SKR004

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

Title	Test Regulation
<u>Australian/New Zealand Standard</u>	<u>AS/NZS CISPR 32: 2015</u>

(Name of the Authorized Person) Sam Zavaglia

(Title of the Authorized Person) Senior Field Applications Engineer

(Date of Issue) 19th October 2016

(Signature)

A handwritten signature in blue ink, appearing to read 'S. Zavaglia', 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	STX19050206

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

Address

電話：02-2514-2273

Telephone

商品中(英)文名稱：硬式磁碟機

Commodity Name

商品型式(或型號)：SKR004

Commodity Type (Model)

ST8000DM004, ST6000DM003, ST5000DM003, ST8000VN002, ST6000VN001, ST8000VM004, ST6000VM000, ST8000VX002, ST6000VX001, ST8000VN003, ST6000VN002, ST8000VX003, ST6000VX002, ST8000AS003

符合之檢驗標準及版次：CNS 13438/ Complete 2006 Class B, Section 5 "Marking of presence" of CNS 15663 (2013,7)
Standard(s) and version

試驗報告編號：T161003C07B, ATS/GENV/1050/16/yao

Test Report Number

試驗室名稱及代號：香港商立德國際商品試驗有限公司, ALS TECHNICHEM (S) PTE LTD

Testing laboratory name and designation number

SL2-IN-E-0049

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

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/Lai Chun Cheong (簽章)

The Board Chairman of Seagate Technology Taiwan

Obligatory Applicant

(Signature)

中華民國

108

年 05

月

02

日

DATE

(year)

(month)

(day)

방송통신기자재등의 적합등록 필증 Registration of Broadcasting and Communication Equipments	
상호 또는 성명 Trade Name or Registrant	SEAGATE TECHNOLOGY LLC
기자재명칭(제품명칭) Equipment Name	HARD DISK DRIVE
기본모델명 Basic Model Number	SKR004
파생모델명 Series Model Number	ST8000DM004, ST8000AS0003, ST5000DM003, ST6000VX002, ST6000VN002, ST6000VX001, ST6000VM000, ST6000VN001, ST6000DM003, ST8000VX003, ST8000VN003, ST8000VX002, ST8000VM004, ST8000VN002
등록번호 Registration No.	MSIP-REM-STX-SKR004
제조사/제조(조립)국가 Manufacturer/Country of Origin	SEAGATE TECHNOLOGY LLC / 중국, 태국
등록연월일 Date of Registration	2016-10-14
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. 2019년(Year) 03월(Month) 28일(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.	



Declaration of Conformity

Standards to which conformity is declared:

FCC Part 15B

47 CFR FCC Part 15B (Class B)

ICES-003 Issue 6, Class B

Information Technology Equipment (ITE) - Limits
and methods of measurement

Manufacturer Name: Seagate Technology, Incorporated

Manufacturer Address: 10200 South DeAnza Boulevard
(And Importer) Cupertino California 95014

Type of Equipment : Hard Disc Data Storage Drive

Product Name : SKR004 (V11 3D / 4D)

Seagate Technology, Incorporated hereby declares that the equipment specified above conforms with the protection requirements of the above named Directive(s) and Standards.

Location: Seagate Singapore Design Centre, Singapore

A handwritten signature in black ink, appearing to read 'Hui'.

(Signature)

Certificate Date: 29 Mar 2019

Hui Wei Qiang
(Full Printed Name)

Engineer
(position)

Seagate Singapore Design Centre, Singapore

SKR002 (V11 1/2D) Regulatory Assurance Certification



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CONTROLLED COPY**

**This document has been issued electronically.
Only the original recipient of the document will be notified with revision information.**

**Issue Date: 7 Jan 2020
Revision 5.1**

Safety Certification

Test Objective:

Verifies that product meets the required Safety requirements as stipulated by UL, and TUV Safety Agencies; and also European Directives:

- UL 60950-1
- TUV EN 60950-1, IEC 60950-1, EN 62368-1, IEC 62368-1

Test Description:

The product was submitted to and tested by the safety agencies.

The product is certified for cUL mark through UL Korea under Underwriter Laboratories (UL) file E190397. Attached is the Certificate of Compliance to apply the cUL mark.

The product is certified for TUV SUD mark through TUV SUD Korea Corporation. Attached is the TUV SUD Certificate.

Pass/Fail Criteria:

Product meets the stipulated Safety requirements.

Product:

Product Name: Hard Disk Drive

Conclusion:

The unit passed the above safety tests and standards. Due to similarities in the hard disk drives, it was only necessary to test one model in order to pass for all models.

Agency / Standards	Conclusion	Approved to Bear Agency's Marks
UL60950-1	Compliance with applicable cUL	
TUV EN 60950-1, IEC 60950-1 TUV EN 62368-1, IEC 62368-1	Compliance with IEC60950, EN60950, IEC62368, EN62368	

CERTIFICATE OF COMPLIANCE

Certificate Number 20170428-E190397
Report Reference E190397-A34-UL
Issue Date 2017-APRIL-28

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 - INFORMATION TECHNOLOGY
EQUIPMENT INCLUDING ELECTRICAL BUSINESS
EQUIPMENT
Hard Disk Drive: SKR002

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

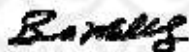
Standard(s) for Safety: See addendum for standards.
Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

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/customerlocations>.



CERTIFICATE OF COMPLIANCE

Certificate Number 20170428-E190397
Report Reference E190397-A34-UL
Issue Date 2017-APRIL-28

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

Standards for Safety:

UL 60950-1, Information Technology Equipment - Safety - Part 1: General Requirements
CAN/CSA C22.2 No. 60950-1-07, Information Technology Equipment - Safety - Part 1: General Requirements



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/goto/customer>.





Product Service

CERTIFICATE

No. B 16 11 87435 048

Holder of Certificate: Seagate Technology International18, 59 beon-gil, Poeun-daero Suji-gu
Yongin-city, Gyeonggi-do 448-130
REPUBLIC OF KOREA**Production
Facility(ies):**

64076, 61810

Certification Mark:**Product:**

Hard disk drive

Model(s):

SKR002

Trademark : SEAGATE

Parameters:Rated input: 5 V d.c., 0.55 A and 12 V d.c., 0.37 A
Protection Class: III**Tested according to:** EN 60950-1:2006/A2:2013

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.:

077-2271216-001

Valid until:

2021-11-03

Date, 2016-11-04

(Havard Lee)

Page 1 of 1





Product Service

CERTIFICATE

No. B 061811 0162 Rev. 00

Holder of Certificate: **Seagate Technology International**

The Shugart, 26 Ayer Rajah Crescent
Singapore 139944
SINGAPORE

Production Facility(ies):

061810, 064076

Certification Mark:



Product:

Hard disk drive

Model(s):

SKR002

Parameters:

Rated input: 5 V d.c., 0.55 A and 12 V d.c., 0.37 A
Protection class: III
Remark: When installing, all requirements of below mentioned test standards must be fulfilled.

Brand Name:

SEAGATE

Tested according to:

EN 62368-1:2014/A11:2017

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.:

077-1321619-000

Valid until:

2024-12-08

Date, 2019-12-09

(Kevin Park)



Ref. Certif. No.

SG PSB-OF-00428A1

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

Hard disk drive

Name and address of the applicant
Nom et adresse du demandeur

Seagate Technology International
18, 59 beon-gil, Poeun-daero Suji-gu
Yongin-city, Gyeonggi-do 448-130, REPUBLIC OF KOREA

Name and address of the manufacturer
Nom et adresse du fabricant

Seagate Technology International
18, 59 beon-gil, Poeun-daero Suji-gu, Yongin-city, Gyeonggi-do 448-130,
REPUBLIC OF KOREA

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

Seagate Technology (Wuxi) International Co., Ltd.
106 Xing Chuang Er Lu,, Wuxi-Singapore Industrial Park,, 214028 Wuxi,
JiangSu, PEOPLE'S REPUBLIC OF CHINA
For further information please see attachment

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

Rated input : 5 V d.c., 0.55 A and 12 V d.c., 0.37 A
Protection class : III

Trade mark (if any)
Marque de fabrique (si elle existe)

SEAGATE

Model/type Ref.
Ref. de type

SKR002

Additional information (if necessary)
Information complémentaire (si nécessaire)

Certificate SG PSB-OF-00428 issued 2016-08-05 is replaced by this
version due to non-technical changes. See Test Report for National and
Group Differences.

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 60950-1:2005
IEC 60950-1:2005/AMD1:2009
IEC 60950-1:2005/AMD2:2013

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

TÜV SÜD PSB Pte Ltd
077-2271216-001

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, 2016-11-04
CBS 16 11 87435 049

(Havard Lee)



TÜV SÜD PSB Pte Ltd · 1 Science Park Drive · Singapore 118221

PSB Singapore



Ref. Certif. No.

CB Certificate Ref. No. SG PSB-OF-00428A1

Additional factory information

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

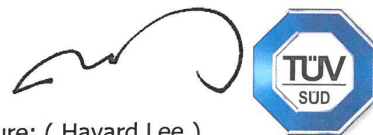
Seagate Technology (Thailand) Ltd.
90 Moo 15 Tambol Sungnoen Amphur Sungnoen
Nakhon Ratchasima 30170 THAILAND

Trade Mark



Date: 2016-11-04

Signature: (Havard Lee)



PSB Singapore

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

CB TEST CERTIFICATE

Product

Hard disk drive

Name and address of the applicant

Seagate Technology International
The Shugart, 26 Ayer Rajah Crescent
Singapore 139944
SINGAPORE

Name and address of the manufacturer

Seagate Technology International
The Shugart, 26 Ayer Rajah Crescent, Singapore 139944,
SINGAPORE

Name and address of the factory

Seagate Technology (Thailand) Ltd.
90 Moo 15 Tambol Sungnoen Amphur, Sungnoen, Nakhon
Ratchasima 30170, THAILAND

Seagate Technology (Wuxi) International Co., Ltd.
106 Xing Chuang Er Lu, Wuxi-Singapore Industrial Park, 214028
Wuxi, JiangSu, PEOPLE'S REPUBLIC OF CHINA

Ratings and principal characteristics

Rated input: 5 V d.c., 0.55 A and 12 V d.c., 0.37 A
Protection class: III
Remark: When installing, all requirements of
below mentioned test standards must be fulfilled.

Trade mark

SEAGATE

Model/type Ref.

SKR002

Additional information (if necessary)

See Test Report for National and Group Differences.

A sample of the product was tested and found
to be in conformity with
as shown in the Test Report Ref. No.
which forms part of this certificate

IEC 62368-1:2018

077-2321619-000

This CB Test Certificate is issued by the National Certification Body

CBS 081811 0163 Rev. 00

Date, 2019-12-10



(Kevin Park)



PSB Singapore

ElectroMagnetic Compatibility

Test Objective:

Verify that the product, which is an internal computer peripheral with no direct connection to external I/O or power, meets applicable EMC emission and immunity standards when installed in a representative host system. This is done by verifying that the product, in the system, complies with the appropriate limits for FCC, CE Mark, C-tick(RCM), and VCCI. For FCC, applicable limits are found in CFR 47, Part 15, Subpart B, Class B, and for CE, C-tick(RCM), and VCCI are found in EN 55032 Class B. Immunity requirements for CE Marking are defined in EN 55024

Test Description:

Testing is performed with the drive installed in representative host system. The host system in this case, is a Notebook laptop or Desktop and the drive is exercised random write/read mode for all testing. The drive is monitored for correct operation throughout the testing.

Emission testing (performed at a 10m Chamber) and immunity testing are performed at an EMC facility, which has been certified by SAC-SINGLAS.

Emission testing consists of the following:

1. Conducted emissions, 150 kHz to 30 MHz, 110 Vac/60 Hz (FCC)
2. Conducted emissions, 150 kHz to 30 MHz, 230 Vac/50 Hz {CE, C-tick(RCM), VCCI}
3. Radiated emissions, 30 MHz to 1 GHz, 10-meter antenna distance
4. Radiated emissions, 1 GHz to 6 GHz, 3-meter antenna distance
5. AC power line harmonics, per EN61000-3-2 : 2014
6. AC power line flicker, per EN61000-3-3: 2013

Immunity testing includes the following:

1. Electrostatic discharge per IEC 61000-4-2 (Level B)
2. Radiated RF field immunity per IEC 61000-4-3 and EN 50204 (Level A)
3. Electrical Fast Transient/Burst per IEC 61000-4-4 (Level B)
4. Surge Immunity per IEC 61000-4-5 (Level B)
5. Conducted RF Immunity per IEC 61000-4-6 (Level A)
6. Power Frequency H-field Immunity per IEC 61000-4-8 (Level A)
7. Voltage Dips and Interrupts per IEC 61000-4-11 (Level B, C)

Pass/Fail Criteria:

For immunity testing, the drive must meet different levels of performance (A, B or C) for the various RF environments to which it is exposed. These are defined as follows:

Performance Level A - no degradation in performance, no loss of data

Performance Level B - degraded performance acceptable provided that 1) no data is lost and 2) unit self-recovers without user intervention after the RF environment has been withdrawn

Performance Level C - reset acceptable, user intervention acceptable provided that unit suffers no permanent damage.

Product:

Product Name: SKR002 (V11 1D / 2D)

Conclusion:

No modifications were made to pass. No Specification deviations, additions to or exclusions from were performed. Due to similarities in the drives, the test conclusions are applicable to hard disk drive.

Standard	Result	Approved to Bear CE & RCM Marks
EN 55032:2015 – Class B EN 61000-3-2: 2014 EN 61000-3-3: 2013 EN 55024: 2010 IEC 61000-4-2: 2008 IEC 61000-4-3: 2010 IEC 61000-4-4: 1995 IEC 61000-4-5: 1995 IEC 61000-4-6: 1996 IEC 61000-4-8: 1993 IEC 61000-4-11: 1994	Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass	

Test Data:

EMC Immunity Test Results

Specification	Test Method	Test Conditions	Compliance
Electrostatic Discharge	IEC 61000-4-2	4 kV Contact / HCP, VCP / 8 kV Air	Compliant
RF Radiated Immunity	IEC-61000-4-3 EN 50204	80 - 1000 MHz, 3 V/m, 80% 1 kHz AM	Compliant
EFT/Burst	IEC 61000-4-4	0.5 kV I/O, 1 kV AC mains	Compliant
Surge Immunity	IEC 61000-4-5	2 kV comm. mode, 1 kV diff. mode, AC mains	Compliant
Conducted RF Immunity	IEC 61000-4-6	150 kHz to 80 MHz, 3 Vrms, 80% 1 kHz AM, power and I/O	Compliant
Power Frequency Magnetic Field Immunity	IEC 61000-4-8	1 Amp / meter, 3 axes, 50 Hz and 60Hz	Compliant
Voltage Dips and Interrupts	IEC 61000-4-11	0% open and short for 5 seconds, 40% for 0.1 second, 70% for 0.01 second	Compliant



EU DECLARATION OF CONFORMITY

TYPE OF EQUIPMENT: Hard Disc Drive
REGULATORY MODEL: SKR002
Internal Product Name: V11 1D/2D
TRADE/BRAND NAME: Seagate

I. Product Safety and EMC Compliance

- A. The Electromagnetic Compatibility (EMC) Directive 2014/30/EU by application of the following standards:

EN 55032:2012/AC: 2013	Electromagnetic compatibility of multimedia equipment — Emission requirements.
EN 55024:2010	Information technology equipment – Immunity characteristics – Limits and methods of measurement.
EN 61000-3-2:2014	Electromagnetic compatibility (EMC) - Part 3-2: Limits for harmonic current emissions (equipment input current ≤ 16 A per phase).
EN 61000-3-3:2013	Electromagnetic compatibility (EMC) - Part 3-3: Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase.

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

EN 60950-1:2006 /A11:2009 /A1:2010 /A12:2011/A2:2013	Information Technology Equipment - Safety- (Second Edition) Part 1: General Requirements
EN 62368-1:2014/AC:2015	Audio/video, information and communication technology equipment - Part 1: Safety requirements (IEC 62368-1:2014, Modified)

II. Product Environmental Compliance (EU/China)

- A. The product(s) meets the requirements of the 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 and by application of the following standards:

EN 50581:2012	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances.
EN 62321-6:2015	Determination of certain substances in electrotechnical products. Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by gas chromatography-mass spectrometry (GC-MS).
China RoHS	Management Methods for Controlling Pollution by Electronic Information Products, Ministry of Information Industry Order No. 39 (China RoHS)

China RoHS 2

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)

JS709B

Joint JEDEC/ECA Standard, Definition of "Low-Halogen" for Electronic Products

B. 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 galvanised 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
6(c)	Copper alloy up to 4% lead by weight
7(a)	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

III. Due Diligence

- A. 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.
- B. 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: 2016

Manufacturer's Name: Seagate Technology, LLC
Manufacturer's Address: 10200 South De Anza Blvd.
Cupertino, California 95014-3029 U.S.A.

European Contact: Seagate Technology International
Koolhovenlaan 1
1119 NB Schiphol-Rijk
The Netherlands



Date of Issue: Jan 7, 2020

Signature:

Azeez Talha, Engineering Director



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):

Hard Disk Data Storage Drive

Model: SKR002

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) **8th August 2016**

(Signature)

A handwritten signature in blue ink, appearing to be 'Sam Zavaglia', 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	STX19050205

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

Address

電話：02-2514-2273

Telephone

商品中(英)文名稱：硬式磁碟機

Commodity Name

商品型式(或型號)：SKR002

Commodity Type (Model)

ST4000DM004, ST3000DM007, ST2000DM005, ST4000VN006, ST3000VN006, ST2000VN003, ST4000VM004, ST3000VM006, ST2000VM005, ST4000VX005, ST3000VX009, ST2000VX007, ST4000VN010, ST2000VN006, ST4000VX009, ST2000VX010, ST1000VM005, ST1000VX008, ST2000VX012, ST1000VX009, ST1000DM013, ST4000VX010

符合之檢驗標準及版次：CNS 13438/ Complete 2006 Class B, Section 5 "Marking of presence" of CNS 15663 (2013.7)
Standard(s) and version

試驗報告編號：T160713C10E, ATS/GENV/738A/16/yao

Test Report Number

試驗室名稱及代號：香港商立德國際商品試驗有限公司, ALS TECHNICHEM (S) PTE LTD

Testing laboratory name and designation number

SL2-IN-E-0049

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

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/Lai Chun Cheong (簽章)

The Board Chairman of Seagate Technology Taiwan

Obligatory Applicant

(Signature)

中華民國 108 年 05 月 02 日

DATE

(year)

(month)

(day)

방송통신기자재등의 적합등록 필증

Registration of Broadcasting and Communication Equipments

상호 또는 성명 Trade Name or Registrant	SEAGATE TECHNOLOGY LLC
기자재명칭(제품명칭) Equipment Name	HARD DISK DRIVE
기본모델명 Basic Model Number	SKR002
파생모델명 Series Model Number	ST3000VX009, ST4000VX010, ST1000DM013, ST1000VX009, ST2000VX012, ST1000VX008, ST1000VM005, ST4000VN010, ST4000VX005, ST2000VM005, ST3000VM006, ST4000VM004, ST2000VN003, ST3000VN006, ST4000VN006, ST2000DM005, ST3000DM007, ST4000DM004, ST2000VX010, ST4000VX009, ST2000VN006, ST2000VX007
등록번호 Registration No.	MSIP-REM-STX-SKR002
제조사/제조(조립)국가 Manufacturer/Country of Origin	SEAGATE TECHNOLOGY LLC / 중국, 태국
등록연월일 Date of Registration	2016-07-28
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.

2019년(Year) 03월(Month) 28일(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.



Declaration of Conformity

Standards to which conformity is declared:

FCC Part 15B

ICES-003 Issue 6, Class B

47 CFR FCC Part 15B (Class B)

Information Technology Equipment (ITE) - Limits
and methods of measurement

Manufacturer Name: Seagate Technology, Incorporated

**Manufacturer Address:
(And Importer)** 10200 South DeAnza Boulevard
Cupertino California 95014

Type of Equipment : Hard Disc Data Storage Drive

Product Name : SKR002 (V11 1D / 2D)

Seagate Technology, Incorporated hereby declares that the equipment specified above conforms with the protection requirements of the above named Directive(s) and Standards.

Location: Seagate Singapore Design Centre, Singapore

A handwritten signature in black ink, appearing to read 'Hui'.

(Signature)

Certificate Date: 29 Mar 2019

Hui Wei Qiang
(Full Printed Name)

Engineer
(position)



Reg Model: STR00C
(MakaraBP, SATA, 6TB)
Regulatory
Assurance Certification

July 1, 2019
Rev E

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CONTROLLED COPY**

**This document has been issued electronically.
Only the original recipient of the document will
be notified with the revision information**

Author: Regulatory Assurance

CERTIFICATE OF COMPLIANCE

Certificate Number 20151007-E106814
Report Reference E106814-A38-UL
Issue Date 2015-OCTOBER-07

Issued to: SEAGATE TECHNOLOGY L L C
389 DISC DR
LONGMONT CO 80503-9364

This is to certify that
representative samples of COMPONENT - INFORMATION TECHNOLOGY
EQUIPMENT INCLUDING ELECTRICAL BUSINESS
EQUIPMENT
Hard Disk Drive - STR00B, STR00C

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

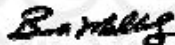
Standard(s) for Safety: UL 60950-1 & CAN/CSA C22.2 No. 60950-1-07 -
Information Technology Equipment - Safety - Part 1:
General Requirements

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.

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/about/locations/>





Ref. Certif. No.

US-26087-UL

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST
CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEMESYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE

CERTIFICAT D'ESSAI OC

Product
ProduitName and address of the applicant
Nom et adresse du demandeurName and address of the manufacturer
Nom et adresse du fabricantName and address of the factory
Nom et adresse de l'usineNote: When more than one factory, please report on page 2
Note: Lorsque il y a plus d'une usine, veuillez utiliser la 2^{ème} pageRatings and principal characteristics
Valeurs nominales et caractéristiques principalesTrademark (if any)
Marque de fabrique (si elle existe)Type of Manufacturer's Testing Laboratories used
Type de programme du laboratoire d'essais
constructeurModel / Type Ref.
Ref. De typeAdditional information (if necessary may also be
reported on page 2)
Les informations complémentaires (si nécessaire,,
peuvent être indiqués sur la 2^{ème} pageA 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 laAs 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 partie de ce Certificat

Hard Disk Drive

SEAGATE TECHNOLOGY L L C
389 DISC DR
LONGMONT CO 80503-9364, USASEAGATE TECHNOLOGY L L C
389 DISC DR
LONGMONT CO 80503-9364, USASEAGATE TECHNOLOGY INTERNATIONAL (WUXI) CO LTD
108 XING CHUANG ER LU WUXI-SINGAPORE INDUSTRIAL
PARK WUXI JIANGSU 214028
CHINA☒ Additional Information on page 2STR00B: 5Vdc, 0.85A; 12Vdc, 0.99A
STR00C: 5Vdc, 0.75A; 12Vdc, 0.99A
(ratings are optional)

Seagate



CTF Stage 2

STR00B, STR00C

Additionally evaluated to EN 60950-1:2006 / A11:2009 / A1:2010
/ A12:2011 / A2:2013; National Differences specified in the CB
Test Report.☐ Additional Information on page 2

IEC 60950-1(ed.2), IEC 60950-1(ed.2);am1, IEC 60950-1(ed.2);am2

E106814-A38-CB-1 issued on 2015-09-28

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de CertificationUL (US), 333 Pfingsten Rd IL 60052, Northbrook, USA
UL (Denko), Bonupvang SA DK-2750 Ballerup, DENMARK
UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADAFor full legal entity names see www.ul.com/nobnames

Date: 2015-09-28

Signature:

Jolanta M. Wroblewska



Ref. Certif. No.

US-26087-UL

Factories:

SEAGATE TECHNOLOGY LLC C/O AUDIO VIDEO COLOR CORP
17707 S SANTA FE AVE EAST RANCHO DOMINGUEZ CA 90221-5419
UNITED STATES

SEAGATE TECHNOLOGY (SUZHOU) CO LTD
1 WUXIANG RD, EXPORT PROCESSING ZONE A 200 SU HONG ZHONG RD SUZHOU INDUSTRIAL PARK
SUZHOU JIANGSU 215021
CHINA

GREYSTONE DATA SYSTEM VIETNAM
62 LINH TRUNG EX PROCESSING ZONE II HO CHI MINH CITY
VIET NAM

SEAGATE SINGAPORE INTERNATIONAL HEADQUARTERS PTE LTD C/O SAE MAGNETICS (HK) LTD
WINNERWAY INDUSTRIAL AREA NANCHENG DONGGUAN GUANGDONG
CHINA

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

TELEPLAN TECHNOLOGY SERVICES SDN BHD
2580 TINGKAT PERUSAHAAN 4B ZON PERDAGANGAN BEBAS DUA 13600 PULAU PERAI
MALAYSIA

SEAGATE SINGAPORE INTERNATIONAL HEADQUARTERS PTE LTD C/O CAL-COMP INDUSTRIA E
COMERCIO DE ELETRONICOS E INFORMATICA LTDA
AV TORQUATO TAPAJOS, 7503 TARUMA GALPAO 2 MOD 7, 19, 20, 21 69041-025
BRAZIL

SEAGATE TECHNOLOGY L L C
389 DISC DR LONGMONT CO 80503-9384
UNITED STATES

IQOR GLOBAL SERVICES CZECH REPUBLIC, S.R.O.
GENERALA FAJTLA 372 74251 MOSNOV
CZECH REPUBLIC

IQOR GLOBAL SERVICES NETHERLANDS B V
KOOLHOVENLAAN 1 1119 NB SCHIPHOL-RIJK
NETHERLANDS

SEAGATE TECHNOLOGY LLC C/O AUDIO VIDEO COLOR CORP
2155 AIRWEST BLVD PLAINFIELD IN 46168-7716
UNITED STATES

Additional information (if necessary)

Information complémentaire (si nécessaire)



UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
UL (Denko), Borupvang 5A DK-2750 Ballerup, DENMARK
UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, 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/nobnames

Date: 2015-09-28

Signature:

Jolanta M. Wroblewska

CERTIFICATE

No. B 16 12 91950 028



America

Holder of Certificate: Seagate Technology LLC389 Disc Drive
Longmont CO 80503
USA**Production
Facility(ies):**

78428, 66326, 61810, 91950, 83436, 39917, 64076

Certification Mark:**Product:**

Disk drives

Model(s):STR00B
STR00C**Parameters:**

Rated Input Voltage:	+5Vdc /+12Vdc
Rated Frequency:	dc
Rated Input Current:	0.85A/0.99A (STR00B) 0.75A/0.99A (STR00C)
Protection Class:	III
Degree of Protection:	IPX0

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

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.:

092-72110016-100

Valid until:

2019-06-20

Date, 2016-12-28

Page 1 of 2



Attachment 1

Bauart Certificate: B.16.12.91950.028

Firma / firm: Seagate Technology LLC, 389 Disc Drive, Longmont, CO 80503-9364 USA

File No. : 092-72110016-100

Standard(s) : EN 60950-1:2008/A2:2013

Type of Component/Equipment : Disc Drive (Information Technology Equipment)

Regulatory Model STR00B, STR00C:



America

Capacity	Interface	Format	Disc / Heads	Cache (MB)	Regulatory Model Number	SED Enabled	Board Type
**6TB	SAS	5xxE or 4Kn	5/10	128	STR00B	No	MAK26
6TB	SAS	512E/4Kn	5/10	128	STR00B	Yes	MAK26
4TB	SAS	512n/4Kn	4/7	128	STR00B	No	MAK26
4TB	SAS	512n/4Kn	4/7	128	STR00B	Yes	MAK26
3TB	SAS	512n	4/7	128	STR00B	No	MAK26
3TB	SAS	512n	4/7	128	STR00B	Yes	MAK26
2TB	SAS	512n/4Kn	2/4	128	STR00B	No	MAK26
2TB	SAS	512n/4Kn	2/4	128	STR00B	Yes	MAK26
1TB	SAS	512n	2/2	128	STR00B	No	MAK26
1TB	SAS	512n	2/2	128	STR00B	Yes	MAK26
**6TB	SATA	5xxE or 4Kn	5/10	128	STR00C	No	MAK16
6TB	SATA	512E/4Kn	5/10	128	STR00C	Yes	MAK16
4TB	SATA	512n/4Kn	4/7	128	STR00C	No	MAK16
4TB	SATA	512n/4Kn	4/7	128	STR00C	Yes	MAK16
3TB	SATA	512n	4/7	128	STR00C	No	MAK16
3TB	SATA	512n	4/7	128	STR00C	Yes	MAK16
2TB	SATA	512n/4Kn	2/4	128	STR00C	No	MAK16
2TB	SATA	512n/4Kn	2/4	128	STR00C	Yes	MAK16
1TB	SATA	512n	2/2	128	STR00C	No	MAK16
1TB	SATA	512n	2/2	128	STR00C	Yes	MAK16

Note: ** indicates units used for testing

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.


 Technical Certifier

Page 2 of 2

TÜV SÜD AMERICA INC • 10 Centennial Drive • Peabody, MA 01960 USA • www.TUVamerica.com

TUV®



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> <u>EN 55024:2010</u>	Electromagnetic compatibility of multimedia equipment - Emission requirements, Class B Information Technology Equipment – Immunity characteristics – Limits and methods of measurement
<u>EN 61000-3-2:2014</u> <u>EN 61000-3-3:2013</u>	Limits for harmonic current emissions (equipment input current ≤ 16 A per phase) 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 60950-1:2006 /A11:2009 /A1:2010 /A12:2011/A2:2013 Information Technology Equipment - Safety- (Second Edition) Part 1: General Requirements.

EN 62368-1:2014 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 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

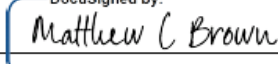
Seagate products rely on the following RoHS 2 exemptions for compliance:

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 galvanised 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:	2015
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:	MakaraBP, SATA
Regulatory Model Number:	STR00C (EXOS 7e8)

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 1, 2019 | 11:36:21 PDT

DocuSigned by:

Signature: _____
191C27331AEB4C5...
Matthew C Brown
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 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):

Hard Disk Data Storage Drive

Model: STR00C (MakaraBP, SATA, 6TB)

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

Title	Test Regulation
Australian/New Zealand Standard	AS/NZS CISPR 22: 2009 +A1: 2010

(Name of the Authorized Person) **Sam Zavaglia**

(Title of the Authorized Person) **Senior Field Applications Engineer**

(Date of Issue) **6th November 2015**

(Signature)

A handwritten signature in blue ink, appearing to be 'Sam Zavaglia', 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	STX2015110901

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

Obligatory Applicant

地址：台北市復興北路 363 號 14 樓 B 室

Address

電話：02-2514-2273

Telephone

商品中（英）文名稱：硬式磁碟機

Commodity Name

商品型式（或型號）：STR00C (Makara BP SATA)

Commodity Type (Model)

符合之檢驗標準及版次：CNS 13438 (Complete 2006 version), Class B

Standard(s) and version

試驗報告編號：BE-TRB50915

Test Report Number

試驗室名稱及代號：EMC Integrity Incorporated.

Testing laboratory name and designation number

SL2-IN-E-1134R

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：

Obligatory Applicant



(簽章)

(Signature)

中華民國 104 年 11 月 9 日
DATE (year) (month) (day)

방송통신기자재등의 적합등록 필증

Registration of Broadcasting and Communication Equipments

상호 또는 성명 Trade Name or Registrant	SEAGATE TECHNOLOGY LLC
기자재 명칭 Equipment Name	Hard Disk Drive
기본모델명 Basic Model Number	STR00C
파생모델명 Series Model Number	Makara BP, ST1000NM0055, ST1000NM0095, ST1000NM0065, ST2000NE0015, ST2000NM0055, ST2000NM0105, ST2000NM0125, ST3000NM0005, ST3000NM0055, ST4000DX003, ST4000NE0025, ST4000NM0045, ST4000NM0105, ST4000NM0145, ST2000NE0025, ST2000NM0065, ST2000NM0145, ST3000NM0015, ST4000DM006, ST4000NE0015, ST4000NM0035, ST4000NM0085, ST4000NM0115, ST4000NM0165, ST4000NM0205, ST4000NM0225, ST4000NM0265, ST6000DM0013, ST6000NE0013, ST6000NM0215, ST6000NM0275, ST6000VN0003, ST6000VN0033, ST4000NM0185, ST4000NM0245, ST6000DM0003, ST6000NE0003, ST6000NE0023, ST6000NM0265, ST6000NM0315, ST6000VN0013, ST6000VX0003, ST6000VX0013, ST6000VX0023, SATA, ST6000NM0115, 6TB
등록번호 Registration No.	MSIP-REM-STX-STR00C
제조사/제조(조립)국가 Manufacturer/Country of Origin	SEAGATE TECHNOLOGY LLC / 중국, 태국
등록연월일 Date of Registration	2015-10-22
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.

2016년(Year) 11월(Month) 11일(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.



변경신고 처리결과 통보서

전자민원신청번호		201617100000226448	접수일자	2016-11-11
대상 기기	상호 또는 성명	SEAGATE TECHNOLOGY LLC	적합성평가 분야	적합등록
	기자재 명칭	Hard Disk Drive	기본모델명	STR00C
	적합성평가 번호	MSIP-REM-STX-STR00C	적합성평가 연 월 일	2016-11-11
변경 사항		변경 전		변경 후
모델명		ST6000NM0115,Makara BP,6TB,SATA		ST6000NM0115,ST1000NM0055,S T1000NM0095,Makara BP,6TB,SATA,ST1000NM0065,S T2000NE0015,ST2000NM0055,ST 2000NM0105,ST2000NM0125,ST3 000NM0005,ST3000NM0055,ST40 00DX003,ST4000NE0025,ST4000 NM0045,ST4000NM0105,ST4000 NM0145,ST2000NE0025,ST2000N M0065,ST2000NM0145,ST3000N M0015,ST4000DM006,ST4000NE0 015,ST4000NM0035,ST4000NM00 85,ST4000NM0115,ST4000NM016 5,ST4000NM0205,ST4000NM022 5,ST4000NM0265,ST6000DM001 3,ST6000NE0013,ST6000NM0215, ST6000NM0275,ST6000VN0003,S T6000VN0033,ST4000NM0185,ST 4000NM0245,ST6000DM0003,ST6 000NE0003,ST6000NE0023,ST600 0NM0265,ST6000NM0315,ST6000 VN0013,ST6000VX0003,ST6000V X0013,ST6000VX0023
「방송통신기자재등의 적합성평가에 관한 고시」 제16조에 따른 적합성평가 사항의 변경신고 건에 대하여 위와 같이 변경처리 되었음을 알려드립니다. 2016년(Year) 11월(Month) 11일(Date) 국립전파연구원장 				





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

November 27, 2019
Rev 1.3

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**This document has been issued electronically.
Only the original recipient of the document will
be notified with the revision information**

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 Mahenholz, 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://www.ul.com/about/locations>.



CERTIFICATE OF COMPLIANCE

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

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

B. Mahoney

Bruce Mahoney, 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/customer-service>.



		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 ☒ Additional Information on page 2	
Note: When more than one factory, please report 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. ☐ 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 Pfingsten Rd IL 60062, Northbrook, USA ☐ UL (Denko), Borupvang 5A DK-2750 Ballerup, DENMARK ☐ UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN ☐ UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA	
Date: 2018-09-12	Signature:	 Jolanta M. Wroblewska
For full legal entity name see www.ul.com/mcbschemes		



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 Pingshan Rd IL 60062, Northbrook, USA
- ☐ UL (Denko), Borupvang 5A DK-2750 Bellerup, DENMARK
- ☐ UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, 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/mcbschemes

Date: 2018-09-12

Signature:

Jolanta M. Wroblewska



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.



Product Service

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 061810, 064076

Facility(ies):



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:

EN 55032:2012
EN 55024:2010

Electromagnetic compatibility of multimedia equipment - Emission requirements, Class B
Information Technology Equipment – Immunity characteristics – Limits and methods of measurement

EN 61000-3-2:2014
EN 61000-3-3:2013

Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
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):

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

EN 62368-1:2014 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:

Exemption Description
6a. Lead as an alloying element in steel containing up to 0.35% lead by weight
6b. Lead as an alloying element in aluminum up to 0.4% lead by weight
6c. Lead as an alloying element in copper containing up to 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.

DocuSigned by:

191C27331AEB4C5...

Date: 8-31-2018

Signature: _____

Matthew Brown
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', 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	1911191200

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

Address

電話：02-2514-2273

Telephone

商品中 (英) 文名稱：硬式磁碟機

Commodity Name

商品型式 (或型號)：STL010

Commodity Type (Model) : ST8000NM002A, ST8000NM000A, ST8000NM016A, ST6000NM021A, ST6000NM022A, ST6000NM002A, ST6000NM000A, ST6000NM004A, ST6000NM037A, ST4000NM000A, ST4000NM002A, ST4000NM001A, ST4000NM020A, ST4000NM018A, ST3000NM000A, ST2000NM000A, ST2000NM001A, ST2000NM002A, ST1000NM000A, ST8000NM004A, ST8000NM005A, ST6000NM023A, ST6000NM024A, ST6000NM006A, ST6000NM007A, ST4000NM006A, ST4000NM008A, ST4000NM010A, ST3000NM002A, ST2000NM006A, ST2000NM008A, ST2000NM010A, ST1000NM002A, ST8000NM008A, ST8000NM009A, ST6000NM010A, ST6000NM011A, ST6000NM025A, ST6000NM026A, ST4000NM012A, ST4000NM013A, ST3000NM004A, ST8000NM012A, ST8000NM013A, ST6000NM014A, ST6000NM015A, ST6000NM027A, ST6000NM028A, ST4000NM016A, ST4000NM022A, ST3000NM007A, ST2000NM012A, ST2000NM014A, ST1000NM004A, ST8000DM008, ST6000DM006, ST4000DX004, ST4000DM008, ST2000DM012, ST8000VN004, ST6000VN004, ST8000NE001, ST6000NE000, ST4000NE001, ST4000NE000, ST2000NE001, ST8000VX004, ST6000VX004, ST8000VE000, ST6000VE000, ST4000VE000

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：SEAG0242.2(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

or



RoHS
D33027

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/Lai Chun Cheong (簽章)

The Board Chairman of Seagate Technology Taiwan

Obligatory Applicant

(Signature)

中華民國 108 年 11 月 19 日

DATE

(year)

(month)

(day)

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, ST6000VE000, ST4000VE000, ST8000VE000, ST6000NM037A, ST3000NM007A, ST2000NM014A, ST4000NM022A, ST6000NM028A, ST6000NM027A, ST6000NM025A, ST6000NM024A, ST6000NM026A, ST6000NM023A, ST6000NM022A, ST6000NM021A, ST6000VX004, ST2000NE001, ST4000NE001, ST8000NE001, ST8000VN004, ST4000DM008, ST6000DM006, ST1000NM004A, ST4000NM016A, ST8000VX004, ST4000NE000, ST6000NE000, ST6000VN004, ST2000DM012, ST4000DX004, ST8000DM008, ST2000NM012A, ST6000NM015A, ST8000NM013A, ST3000NM004A, ST4000NM013A, ST6000NM010A, ST8000NM008A, ST2000NM008A, ST2000NM006A, ST6000NM014A, ST8000NM012A, ST4000NM012A, ST6000NM011A, ST8000NM009A, ST1000NM002A, ST2000NM010A, ST3000NM002A, ST4000NM008A, ST6000NM007A, ST8000NM005A, ST1000NM000A, ST2000NM001A, ST3000NM000A, ST4000NM020A, ST4000NM000A, ST6000NM004A, ST6000NM002A, ST8000NM000A, ST4000NM010A, ST4000NM006A, 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.

2019년(Year) 10월(Month) 28일(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.