



Ref. Certif. No.

JPTUV-059711-A3/M3

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

CB TEST CERTIFICATE

Product

Switching Power Supply

Name and address of the applicant

Cosel Co., Ltd.
1-6-43 Kamiakae-machi
Toyama-shi, Toyama, 930-0816 Japan

Name and address of the manufacturer

Cosel Co., Ltd.
1-6-43 Kamiakae-machi
Toyama-shi, Toyama, 930-0816 Japan

Name and address of the factory

See additional page(s)

Ratings and principal characteristics

Input:
1) 100 - 240 V a.c.; 50 - 60 Hz; 0.47 A (LFA50F-3R3)
100 - 240 V a.c.; 50 - 60 Hz; 0.67 A (other models)
2) 200 - 240 V a.c.; 50 - 60 Hz; 0.28 A (LFA50F-48-XGMC)
Output: refer to the test report
Class I
COSEL

Trademark (if any)

Customer's Testing Facility (CTF) Stage used

CTF Stage 1

Model / Type Ref.

- 1) LFA50F-x-y
x = 3R3, S, 12, 15, 24, 36 or 48;
y = J1, C, G, Y, S, SN or blank
2) LFA50F-48-XGMC

Additional information (if necessary may also be reported on page 2)

For model differences, refer to the test report.
Re-issue of JPTUV-059711-A3/M2 dated 17.03.2022,
due to third modification.

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

IEC 60950-1:2005+A1+A2
See Test Report for National Differences

As shown in the Test Report Ref. No. which forms part of this Certificate

50019011 007

This CB Test Certificate is issued by the National Certification Body



TÜV Rheinland Japan Ltd.
Global Technology Assessment Center
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Yokohama 224-0021, Japan
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Mail: info@jpn.tuv.com
Web: www.tuv.com

Date: 2023-02-15

Signature:

Dipl.-Ing. (FH) M. Geiser

1. Cosel Co., Ltd.
Tateyama Factory
78 Dogenji, Tateyama-machi
Nakaniikawa-gun, Toyama
930-0241 Japan
2. Eikoku Co., Ltd.
45-6 Nishida Kaneoke, Kokufu-cho
Takayama-shi, Gifu
509-4123 Japan
3. Takanami Co., Ltd.
2000-39 Hirokami
Imizu-shi, Toyama
939-0256 Japan
4. Eikoku Co., Ltd.
Toyama Satellite Factory
223 Nakajinzu Yatsuo-Machi
Toyama-shi, Toyama
939-2311 Japan
5. Kyousei Corp.
501-1-2 Nakaoookubo
Toyama-shi, Toyama
939-2243 Japan
6. Cosel Co., Ltd.
Toyama Factory
1-6-43 Kamiakae-machi
Toyama-shi, Toyama
930-0816 Japan
7. Daiyon Corp.
1-18 Zoushima, Fuchu-machi,
Toyama-shi, Toyama
939-2726 Japan

Additional information (if necessary)

Report Ref. No. : 50019011 007



Date: 2023-02-15

Signature:

Dipl.-Ing. (FH) M. Geiser

8. Wuxi Cosel Electronics Co., Ltd.
No.82-9,Dicui Road,Binhu District,
Wuxi,
214072 Jiangsu
P.R. China

9. Glanz Hokuriku Co., Ltd.
476 Hashizume machi,
Hakusan-shi, Ishikawa
924-0812 Japan

Additional information (if necessary)

Report Ref. No. : 50019011 007



Date: 2023-02-15

Signature:

Dipl.-Ing. (FH) M. Geiser



Ref. Certif. No.

JPTUV-059711-A3/M2

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

CB TEST CERTIFICATE

Product

Switching Power Supply

Name and address of the applicant

Cosel Co., Ltd.
1-6-43 Kamiakae-machi
Toyama-shi, Toyama, 930-0816 Japan

Name and address of the manufacturer

Cosel Co., Ltd.
1-6-43 Kamiakae-machi
Toyama-shi, Toyama, 930-0816 Japan

Name and address of the factory

See additional page(s)

Ratings and principal characteristics

Input:
1) 100 - 240 V a.c.; 50 - 60 Hz; 0.47 A (LFA50F-3R3)
100 - 240 V a.c.; 50 - 60 Hz; 0.67 A (other models)
2) 200 - 240 V a.c.; 50 - 60 Hz; 0.28 A (LFA50F-48-XGMC)
Output: refer to the test report
Class I
COSEL

Trademark (if any)

Customer's Testing Facility (CTF) Stage used

CTF Stage 1

Model / Type Ref.

1) LFA50F-x-y
x = 3R3, 5, 12, 15, 24, 36 or 48;
y = J1, C, G, Y, S, SN or blank
2) LFA50F-48-XGMC

Additional information (if necessary may also be reported on page 2)

For model differences, refer to the test report.
Re-issue of JPTUV-059711-A3/M1 dated 12.04.2019,
due to second modification.

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

IEC 60950-1:2005+A1+A2
See Test Report for National Differences

As shown in the Test Report Ref. No. which forms part of this Certificate

50019011 006

This CB Test Certificate is issued by the National Certification Body



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Web: www.tuv.com

Date: 2022-03-17

Signature:

Dipl.-Ing. (FH) M. Geiser

1. Cosel Co., Ltd.
Tateyama Factory
78 Dogenji, Tateyama-machi
Nakaniikawa-gun, Toyama
930-0241 Japan
2. Eikoku Co., Ltd.
45-6 Nishida Kaneoke, Kokufu-cho
Takayama-shi, Gifu
509-4123 Japan
3. Takanami Co., Ltd.
2000-39 Hirokami
Imizu-shi, Toyama
939-0256 Japan
4. Eikoku Co., Ltd.
Toyama Satellite Factory
223 Nakajinzu Yatsuo-Machi
Toyama-shi, Toyama
939-2311 Japan
5. Kyousei Corp.
501-1-2 Nakaoookubo
Toyama-shi, Toyama
939-2243 Japan
6. Cosel Co., Ltd.
Toyama Factory
1-6-43 Kamiakae-machi
Toyama-shi, Toyama
930-0816 Japan
7. Daiyon Corp.
1-18 Zoushima, Fuchu-machi,
Toyama-shi, Toyama
939-2726 Japan

Additional information (if necessary)

Report Ref. No. : 50019011 006



Date: 2022-03-17

Signature:

Dipl.-Ing. (FH) M. Geiser

8. Wuxi Cosel Electronics Co., Ltd.
No.82-9,Dicui Road,Binhu District,
Wuxi,
214072 Jiangsu
P.R. China

Additional information (if necessary)

Report Ref. No. : 50019011 006



Date: 2022-03-17

Signature:

Dipl.-Ing. (FH) M. Geiser

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

CB TEST CERTIFICATE

Product

Switching Power Supply

Name and address of the applicant

Cosel Co., Ltd.
1-6-43 Kamiakae-machi
Toyama-shi, Toyama, 930-0816 Japan

Name and address of the manufacturer

Cosel Co., Ltd.
1-6-43 Kamiakae-machi
Toyama-shi, Toyama, 930-0816 Japan

Name and address of the factory

See additional page(s)

Ratings and principal characteristics

Input: 1) AC 100-240V; 50-60Hz; 0.47A (for LFA50F-3R3)
0.67A (except for LFA50F-3R3)
2) AC 200-240V; 50-60Hz; 0.28A

Output: refer to the test report

Class I

Trademark (if any)

COSEL

Customer's Testing Facility (CTF) Stage used

N/A

Model / Type Ref.

1) LFA50F-x-y (x = 3R3, 5, 12, 15, 24, 36 or 48
y = J1, C, G, Y, S, SN or blank)

For details: refer to the test report

2) LFA50F-48-XGMC

Additional information (if necessary may also be reported on page 2)

For model differences, refer to the test report.
Re-issue of JPTUV-059711-A2/M1 dated 15.05.2017,
due to non-technical change.

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

IEC 60950-1:2005+A1+A2
See Test Report for National Differences

As shown in the Test Report Ref. No. which forms part of this Certificate

50019011 005

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Date: 12.04.2019

Signature:

Dipl.-Ing. (FH) M. Geiser

1. Cosel Co., Ltd.
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78 Dogenji, Tateyama-machi
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930-0241 Japan
2. Kyousei Corp.
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Toyama-shi, Toyama
939-2243 Japan
3. Cosel Co., Ltd.
Toyama Factory
1-6-43 Kamiakae-machi
Toyama-shi, Toyama
930-0816 Japan
4. Daiyon Corp.
1-18 Zoushima, Fuchu-machi,
Toyama-shi, Toyama
939-2726 Japan
5. Takanami Co., Ltd.
2000-39 Hirokami
Imizu-shi, Toyama
939-0256 Japan
6. Eikoku Co., Ltd.
Toyama Satellite Factory
223 Nakajinzu Yatsuo-Machi
Toyama-shi, Toyama
939-2311 Japan
7. Eikoku Co., Ltd.
45-6 Nishida Kaneoke, Kokufu-cho
Takayama-shi, Gifu
509-4123 Japan

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

Report Ref. No.: 50019011 005

Date: 12.04.2019

Signature:


Dipl.-Ing. (FH) M. Geiser

**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

Switching Power Supply

Name and address of the applicant
Nom et adresse du demandeur

Cosel Co., Ltd.
1-6-43 Kamiakae-machi
Toyama-shi, Toyama, 930-0816 Japan

Name and address of the manufacturer
Nom et adresse du fabricant

Cosel Co., Ltd.
1-6-43 Kamiakae-machi
Toyama-shi, Toyama, 930-0816 Japan

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

See additional page(s)

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

Input: 1) AC 100-240V; 50-60Hz; 0.47A (for LFA50F-3R3)
0.67A (except for LFA50F-3R3)
2) AC 200-240V; 50-60Hz; 0.28A
Output: refer to the test report
Class I
COSEL

Trademark (if any)
Marque de fabrique (si elle existe)

N/A

Type of Manufacturer's Testing Laboratories used
Type de programme du laboratoire d'essais constructeur

Model / Type Ref.
Ref. de type

1) LFA50F-x-y (x = 3R3, 5, 12, 15, 24, 36 or 48
y = J1, C, G, Y, S, SN or blank)
For details: refer to the test report
2) LFA50F-48-XGMC
For model differences, refer to the test report.
Re-issue of JPTUV-059711-A1/M1 dated 09.05.2017,
due to non-technical change.

Additional information (if necessary may also be
reported on page 2)
Les informations complémentaires (si nécessaire,
peuvent être indiqués sur la 2^{ème} page)

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+A1+A2
See Test Report for National Differences

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 partie de ce Certificat

50019011 004

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M. Hisamune

Date: 15.05.2017

Signature:

Masahiro Hisamune

1. Cosel Co., Ltd.
Tateyama Factory
78 Dogenji, Tateyama-machi
Nakaniiikawa-gun, Toyama
930-0241 Japan
2. Kyousei Corp.
501-1-2 Nakaookubo
Toyama-shi, Toyama
939-2243 Japan
3. Cosel Co., Ltd.
Toyama Factory
1-6-43 Kamiakae-machi
Toyama-shi, Toyama
930-0816 Japan
4. Daiyon Corp.
1-18 Zoushima, Fuchu-machi,
Toyama-shi, Toyama
939-2726 Japan
5. Takanami Co., Ltd.
2000-39 Hirokami
Imizu-shi, Toyama
939-0256 Japan
6. Eikoku Co., Ltd.
Toyama Satellite Factory
223 Nakajinzu Yatsuo-Machi
Toyama-shi, Toyama
939-2311 Japan
7. Eikoku Co., Ltd.
45-6 Nishida Kaneoke, Kokufu-cho
Takayama-shi, Gifu
509-4123 Japan

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

Report Ref. No.: 50019011 004



Date: 15.05.2017

Signature:

Masahiro Hisamune



Ref. Certif. No.

JPTUV-059711-A1/M1

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

Switching Power Supply

Name and address of the applicant
Nom et adresse du demandeur

Cosel Co., Ltd.
1-6-43 Kamiakae-machi
Toyama-shi, Toyama, 930-0816 Japan

Name and address of the manufacturer
Nom et adresse du fabricant

Cosel Co., Ltd.
1-6-43 Kamiakae-machi
Toyama-shi, Toyama, 930-0816 Japan

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

See additional page(s)

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

Input: 1) AC 100-240V; 50-60Hz; 0.47A (for LFA50F-3R3)
0.67A (except for LFA50F-3R3)
2) AC 200-240V; 50-60Hz; 0.28A
Output: refer to the test report
Class I

Trademark (if any)
Marque de fabrique (si elle existe)

COSEL

Type of Manufacturer's Testing Laboratories used
Type de programme du laboratoire d'essais constructeur

N/A

Model / Type Ref.
Ref. de type

1) LFA50F-x-y (x = 3R3, 5, 12, 15, 24, 36 or 48
y = J1, C, G, Y, S, SN or blank)
For details: refer to the test report
2) LFA50F-48-XGMC

Additional information (if necessary may also be
reported on page 2)
Les informations complémentaires (si nécessaire,
peuvent être indiqués sur la 2^{ème} page)

For model differences, refer to the test report.
Re-issue of JPTUV-059711-M1 dated 27.01.2016,
due to non-technical change.

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+A1+A2
See Test Report for National Differences

As shown in the Test Report Ref. No. which forms part
of this Certificate
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référence qui constitue partie de ce Certificat

50019011 003

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Web: www.tuv.com

Signature:

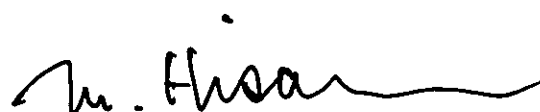
Masahiro Hisamune

Date: 09.05.2017

1. Cosel Co., Ltd.
Tateyama Factory
78 Dogenji, Tateyama-machi
Nakanikawa-gun, Toyama
930-0241 Japan
2. Kyousei Corp.
501-1-2 Nakaoakubo
Toyama-shi, Toyama
939-2243 Japan
3. Cosel Co., Ltd.
Toyama Factory
1-6-43 Kamiakae-machi
Toyama-shi, Toyama
930-0816 Japan
4. Daiyon Corp.
1-18 Zoushima, Fuchu-machi,
Toyama-shi, Toyama
939-2726 Japan
5. Takanami Co., Ltd.
2000-39 Hirokami
Imizu-shi, Toyama
939-0256 Japan
6. Eikoku Co., Ltd.
Toyama Satellite Factory
223 Nakajinzu Yatsuo-Machi
Toyama-shi, Toyama
939-2311 Japan
7. Eikoku Co., Ltd.
45-6 Nishida Kaneoke, Kokufu-cho
Takayama-shi, Gifu
509-4123 Japan

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

Report Ref. No.: 50019011 003



Date: 09.05.2017

Signature:

Masahiro Hisamune



Ref. Certif. No.

JPTUV-059711-M1

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

Switching Power Supply

Name and address of the applicant
Nom et adresse du demandeur

Cosel Co., Ltd.
1-6-43 Kamiakae-machi
Toyama-shi, Toyama, 930-0816 JAPAN

Name and address of the manufacturer
Nom et adresse du fabricant

Cosel Co., Ltd.
1-6-43 Kamiakae-machi
Toyama-shi, Toyama, 930-0816 JAPAN

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

See additional page(s)

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

Input: 1) AC 100-240V; 50-60Hz; 0.47A (for LFA50F-3R3)
0.67A (except for LFA50F-3R3)
2) AC 200-240V; 50-60Hz; 0.28A
Output: refer to the test report
Class I

Trademark (if any)
Marque de fabrique (si elle existe)

COSEL

Type of Manufacturer's Testing Laboratories used
Type de programme du laboratoire d'essais constructeur

N/A

Model / Type Ref.
Ref. de type

1) LFA50F-x-y (x = 3R3, 5, 12, 15, 24, 36 or 48
y = J1, C, G, Y, S, SN or blank)
For details: refer to the test report
2) LFA50F-48-XGMC

Additional information (if necessary may also be
reported on page 2)
Les informations complémentaires (si nécessaire,
peuvent être indiqués sur la 2^{ème} page)

For model differences, refer to the test report.

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+A1+A2
National differences see test report

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 partie de ce Certificat

50019011 002

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Mail: info@jpn.tuv.com
Web: www.tuv.com

Date: 27.01.2016

Signature:

Dipl.-Ing. (FH) M. Geiser

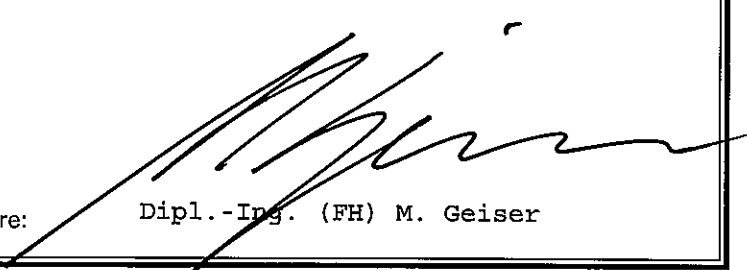
1. Cosel Co., Ltd.
Tateyama Factory
78 Dogenji, Tateyama-machi
Nakanikawa-gun, Toyama
930-0241 JAPAN
2. Taiyo Denshi Kogyo Co., Ltd.
6-215-1 Tsukioka-machi
Toyama-shi, Toyama
939-8132 JAPAN
3. Kyousei Corp.
501-1-2 Nakaoakubo
Toyama-shi, Toyama
939-2243 JAPAN
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Toyama Factory
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Toyama-shi, Toyama
930-0816 JAPAN
5. Daiyon Corp.
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939-0256 JAPAN
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Toyama Satellite Factory
223 Nakajinzu Yatsuo-Machi
Toyama-shi, Toyama
939-2311 JAPAN
8. Eikoku Co., Ltd.
45-6 Nishida Kaneoke, Kokufu-cho
Takayama-shi, Gifu
509-4123 JAPAN

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

Report Ref. No.: 50019011 002

Date: 27.01.2016

Signature:


Dipl.-Ing. (FH) M. Geiser

**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

Switching Power Supply

Name and address of the applicant
Nom et adresse du demandeur

Cosel Co., Ltd.
1-6-43 Kamiakae-machi
Toyama-shi, Toyama, 930-0816 JAPAN

Name and address of the manufacturer
Nom et adresse du fabricant

Cosel Co., Ltd.
1-6-43 Kamiakae-machi
Toyama-shi, Toyama, 930-0816 JAPAN

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

See additional page(s)

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

Input: AC 100-240V; 50-60Hz; 0.47A (for Model LFA50F-3R3)
0.67A (for all models except for Model LFA50F-3R3)
Output: refer to the test report
Class I

Trademark (if any)
Marque de fabrique (si elle existe)

COSEL

Type of Manufacturer's Testing Laboratories used
Type de programme du laboratoire d'essais constructeur

N/A

Model / Type Ref.
Ref. de type

LFA50F-x-y
x = 3R3, 5, 12, 15, 24, 36 or 48
y = J1, C, G, Y, S, SN or blank
For details: refer to the test report

Additional information (if necessary may also be
reported on page 2)
Les informations complémentaires (si nécessaire,
peuvent être indiqués sur la 2^{ème} page)

For model differences, refer to the test report.

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+A1+A2
National differences see test report

As shown in the Test Report Ref. No. which forms part
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50019011 001

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Mail: info@jpn.tuv.com
Web: www.tuv.com

Date: 14.11.2014

Signature:

Dipl.-Ing. (FH) M. Geiser

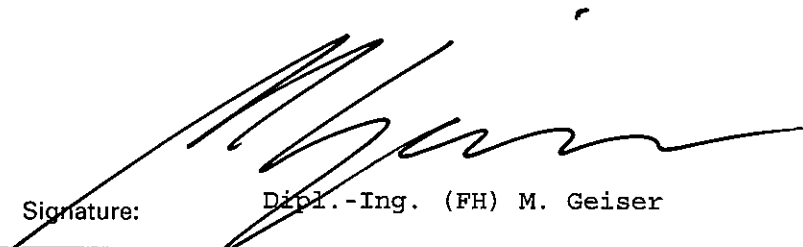
1. Cosel Co., Ltd.
Tateyama Factory
78 Dogenji, Tateyama-machi
Nakanikawa-gun, Toyama
930-0241 JAPAN
2. Taiyo Denshi Kogyo Co., Ltd.
6-215-1 Tsukioka-machi
Toyama-shi, Toyama
939-8132 JAPAN
3. Eikoku Co., Ltd.
1587 Nabari, Kokufu-cho
Takayama-shi, Gifu
509-4122 JAPAN
4. Kyousei Corp.
501-1-2 Nakaoakubo
Toyama-shi, Toyama
939-2243 JAPAN
5. Cosel Co., Ltd.
Toyama Factory
1-6-43 Kamiakae-machi
Toyama-shi, Toyama
930-0816 JAPAN
6. Daiyon Corp.
1-18 Zoushima, Fuchu-machi,
Toyama-shi, Toyama
939-2726 JAPAN
7. Takanami Co., Ltd.
2000-39 Hirokami
Imizu-shi, Toyama
939-0256 JAPAN
8. Eikoku Co., Ltd.
Toyama Satellite Factory
223 Nakajinzu Yatsuo-Machi
Toyama-shi, Toyama
939-2311 JAPAN

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

Report Ref. No.: 50019011 001

Date: 14.11.2014

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