

**INTERNATIONAL ELECTROTECHNICAL COMMISSION SYSTEM FOR  
CERTIFICATION TO STANDARDS RELATING TO EQUIPMENT FOR USE  
IN EXPLOSIVE ATMOSPHERES (IECEx SYSTEM)**

**Title: Scope Extension Assessment Report for, Eurofins Product Testing Italy  
S.r.l., an Accepted ExCB and ExTL within the IECEx System, Equipment  
Scheme 02**

**To: Members of the IECEx Management Committee, ExMC**

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**Introduction**

Following an application for a scope extension from Eurofins Product Testing Italy S.r.l., a special site assessment visit was arranged and conducted for the inclusion of the following Standards within their scope –

**IEC 60079-2** Edition 6 Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure "p"

**IEC 60079-7** Edition 5 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

**IEC 60079-15** Edition 4 Explosive atmospheres Part 15: Equipment protection by type of protection "n"

This report details the assessment findings of this scope extension with the IECEx Assessment Team recommending the acceptance of the above scope extension. It is now hereby submitted for voting by ExMC.

Please consider the report and return the completed voting form, separate Word document, to [the Secretariat](#) by

**2016 07 18**

**Your speedy response to the voting process will be very much appreciated.**

*Chris Agius*  
**IECEx Secretary**

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ExMC/1117/DV  
June 2016

**IEC System for certification to standards relating to equipment for use in  
Explosive Atmospheres (IECEx System)**

**IECEx Assessment Report Form**

IECEx Assessment Report Form for use by IECEx Assessment Teams to report  
Assessments conducted according to the IECEx Assessment Procedures of

- a) Operational Document IECEx OD 003-2 for the Certified Equipment  
Scheme
- b) Operational Document IECEx OD 016 for the Certified Service Facility  
Scheme
- c) Operational Document IECEx OD 022 for the IECEx Conformity Mark  
Licensing System

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**IECEx ExCB/ExTL assessment report for Eurofins Product Testing Italy  
S.r.l**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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## 1 Assessment information

### 1.1 Type of Body covered by this assessment:

ExCB for IECEx Certified Equipment Scheme	✓
ExTL for IECEx Certified Equipment Scheme	✓
ExCB for IECEx Certified Service Facilities Scheme	
ExCB for IECEx Conformity Mark Licensing System	

NOTE 1 ExCB - IECEx Certification Body

NOTE 2 ExTL - IECEx Testing Laboratory

### 1.2 Type of assessment:

Pre-assessment for candidate body	
Initial assessment for candidate body	
Surveillance	
Re-assessment	
Scope extension	✓

### 1.3 Details of body

#### 1.3.1 Country

Italy

#### 1.3.2 Name of body

Eurofins Product Testing Italy S.r.l.

#### 1.3.3 Name and title of nominated principal contact

Name	Title	E-mail address
Dionisio Bucchieri	Technical responsible IECEx	dionisiobucchieri@eurofins.com

### 1.4 Assessment information

#### 1.4.1 Members of the assessment team

Name	Role (modify as necessary)
Ron Webb	IECEx Lead Assessor

#### 1.4.2 Place(s) of assessment

Via Cuorné, 21 10156, Torino Italy
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#### 1.4.3 Assessment date(s)

2-3 May 2016

### 1.5 Scopes

#### 1.5.1 ExCB scope for equipment certification scheme

Items below greyed out are already in scope. Other standards are for scope extension.

Number	Title
IEC 60079-0 Edition 6	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 Edition 7	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-2 Edition 6	Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure "p"

IEC 60079-7 Edition 5	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
IEC 60079-11 Edition 6	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-15 Edition 4	Explosive atmospheres Part 15: Equipment protection by type of protection "n"
IEC 60079-18 Edition 4	Explosive atmospheres - Part 11: Equipment protection by encapsulation "m"
IEC 60079-31 Edition 2	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"

NOTE 1 Standards shown with an asterisk (\*) are superseded standards

NOTE 2 Unless otherwise indicated, earlier editions of standards (even if with a different number) are considered to be covered in the above scope for the purposes of the assessment.

NOTE 3 The above list highlights any extension of scope in the list above for new standards or later editions of standards already in scope.

### 1.5.2 ExTL scope

The ExTL scope is the same as for the ExCB.

## **2 Common information**

### **2.1 Legal entity of body**

Not relevant as this is a scope extension assessment. This was covered in the original assessment ExMC/906/DV

### **2.2 Financial support**

Not relevant as this is a scope extension assessment. This was covered in the original assessment ExMC/906/DV

### **2.3 History**

Not relevant as this is a scope extension assessment. This was covered in the original assessment ExMC/906/DV

### **2.4 Documentation**

#### **2.4.1 Quality manual**

Not relevant as this is a scope extension assessment. This was covered in the original assessment ExMC/906/DV

#### **2.4.2 Procedures**

While covered in the assessment reported in ExMC/906/DV, it was confirmed that the procedures also cover the new Standards listed under the scope extension request.

#### **2.4.3 Work instructions**

While covered in the assessment reported in ExMC/906/DV, it was confirmed that the procedures also cover the new Standards listed under the scope extension request.

#### **2.4.4 Records (including test records where relevant)**

Not relevant as this is a scope extension assessment. This was covered in the original assessment ExMC/906/DV

#### **2.4.5 Document change control**

Not relevant as this is a scope extension assessment. This was covered in the original assessment ExMC/906/DV

### **2.5 Confidentiality**

Not relevant as this is a scope extension assessment. This was covered in the original assessment ExMC/906/DV

### **2.6 Publications (Hard cover and Electronic)**

Not relevant as this is a scope extension assessment. This was covered in the original assessment ExMC/906/DV

### **2.7 Recognition and agreements**

Not relevant as this is a scope extension assessment. This was covered in the original assessment ExMC/906/DV



## 2.8 Internal audit and periodic management review

While covered in the assessment reported in ExMC/906/DV, it was confirmed that the procedures also cover the new Standards listed under the scope extension request.

## 2.9 Contracting, subcontracting, use of other labs and use of other locations

Not relevant as this is a scope extension assessment. This was covered in the original assessment ExMC/906/DV

## 2.10 Training and competence

There is an annual training plan

There is a competency matrix for the IECEx Scheme which results from Procedure M1.OPE.02.12. There is a specific 'live' document that is updated as and when necessary.

There is a competency matrix for the IECEx Scheme. Interviews were undertaken with staff to ensure that they had the required level of understanding. These are included in a TCD document which is held by the Secretariat. Training records for each staff member are held on an Intranet system and are very comprehensive

This document was viewed and relevant competencies for Ex p, Ex e and Ex n were shown

## 2.11 Complaints and appeals (including appeals to IECEx)

Not relevant as this is a scope extension assessment. This was covered in the original assessment ExMC/906/DV

## 2.12 Special facts to be noted

### 2.12.1 Supporting documentation

Information concerning the site visit is included in a Site Assessment Report from this visit which is held by the Secretariat.

### 2.12.2 Tests Witnessed

Tests witnessed in connection with IEC 60079-2, IEC 60079-7 and IEC 60079-15 are as follows

IEC 60079-2 clause 16.4.2 Purging test on an enclosure  
IEC 60079-2 clause 16.2 Maximum Overpressure Test on an enclosure  
IEC 60079-7 clause 6.6.3 mechanical shock test on a battery  
IEC 60079-7 clause 6.6.4 ventilation test on a battery container  
IEC 60079-7 clause 6.9.2 resistance heating test  
IEC 60079-7 clause 6.9.2 pull test on a terminal  
IEC 60079-15 clause 22.4 enclosed break test  
IEC 60079-15 clause 22.5 sealed devices test

All tests were carried out satisfactorily

## 2.13 Recommendations

Based on the assessment performed on 2-3 May 2016 Eurofins Product Testing Italy S.r.l. is recommended for scope extension to include the Standards listed in 1.5 in the IECEx scheme as:

- An ExCB in the IECEx Certified Equipment Scheme
- An ExTL in the IECEx Certified Equipment Scheme

<b>.Ron Webb</b>	<b>Lead Assessor</b>
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Date: 3 May 2016



### 3 ExCB for IECEx Certified Equipment Scheme

#### 3.1 Assessment references

- a) IECEx02 IECEx Certified Equipment Scheme covering equipment for use in explosive atmospheres – Rules of Procedure
- b) OD003-2 Assessment, surveillance assessment and re-assessment of ExCBs and ExTLs operating in the IECEx 02, IECEx Certified Equipment Scheme
- c) OD005-2 IECEx Quality System Requirements for Manufacturers – Part 2: Audit Checklist. (This is available in a Word format for use by ExCBs)
- d) ISO/IEC 80079-34 Edition 1, Explosive atmospheres – Part 34: Application of quality systems for equipment manufacture
- e) OD009 Issuing of CoCs, ExTRs and QARs
- f) IECEx Document OD 025 Guidelines on the Management of Assessment and Surveillance programs for the assessment of Manufacturer's Quality Systems in accordance with the IECEx Scheme
- g) OD0026 IECEx Certified Equipment Scheme – Guidelines for the qualification of Lead Auditor and Auditors, in accordance with the IECEx System
- h) ISO/IEC 17065, General requirements for bodies operating product certification systems
- i) IECEx Document OD17 Drawing and documentation guidance
- j) IECEx Technical Capability Document (TCD)
- k) ExTAG decision sheets (DSs)

NOTE The latest editions of the above documents were applied

#### 3.2 ExCB persons interviewed

Name	Position
Paolo Trisoglio	Managing Director
Dionisio Bucchieri	Technical responsible IECEx
Paolo Dentis	Technical director and QA representative
Claudio Massa	Technician IECEx
Claudio Cafaro	Technician IECEx laboratory

#### 3.3 Associated ExTL(s)

The ExTL is integral with the ExCB

#### 3.4 Associated certification functions

Not relevant as this is a scope extension assessment. This was covered in the original assessment ExMC/906/DV

#### 3.5 Standards accepted

See clause 1.5 of this report

#### 3.6 National differences to IEC standards

National differences to IEC standards are those for the European differences listed in the latest version of the IECEx Scheme Bulletin.

### 3.7 Organisation

#### 3.7.1 Names, titles and experience of the senior executives

Name	Title	Experience
Paolo Trisoglio	Managing Director	None relevant to Ex

#### 3.7.2 Name, title and experience of the quality management representative

Name	Title	Experience
Paolo Dentis	Technical director and QA representative	11 years in Ex

#### 3.7.3 Name and title of signatories for certification

Name	Title	Comments
Paolo Dentis	Technical director and QA representative	11 years in Ex
Dionisio Bucchieri	Technical responsible IECEX	15 years in Ex

#### 3.7.4 Other employees in ExCB activity

Name	Title	Responsibility and Experience in Ex
Claudio Massa	Technician IECEX	7 years in Ex
Claudio Cafaro	Technician IECEX laboratory	5 years in Ex
Paolo Iavagnilio	Technician IECEX	8 years in Ex
Enrico Martino	Technician IECEX laboratory	2 years in Ex

### 3.8 Organizational structure

Not relevant as this is a scope extension assessment. This was covered in the original assessment ExMC/906/DV

### 3.9 Administration

#### 3.9.1 Administrative structure

Not relevant as this is a scope extension assessment. This was covered in the original assessment ExMC/906/DV

#### 3.9.2 Indemnity insurance

Not relevant as this is a scope extension assessment. This was covered in the original assessment ExMC/906/DV

### 3.10 Resources

The operation is well resourced with appropriate facilities, procedures and experienced staff to cover the scope extension

#### 3.11 Committees (such as governing or advisory boards)

Not relevant as this is a scope extension assessment. This was covered in the original assessment ExMC/906/DV

### 3.12 Certification operations

#### 3.12.1 National approval/certification methods

In the Ex field Eurofins Product Testing Italy S.r.l. operates as a notified body for ATEX.

### 3.12.2 Certification policy

Not relevant as this is a scope extension assessment. This was covered in the original assessment ExMC/906/DV

### 3.12.3 Application for certification

Not relevant as this is a scope extension assessment. This was covered in the original assessment ExMC/906/DV

### 3.12.4 Certification decision

Not relevant as this is a scope extension assessment. This was covered in the original assessment ExMC/906/DV

### 3.12.5 Suspension and cancellation of certificates

Not relevant as this is a scope extension assessment. This was covered in the original assessment ExMC/906/DV

## 3.13 Certificates issued

Number of certificates issued under for the preceding years for each type of protection.

Standard numbers	Type of protection or other identifying information	Number of issued certificates			
		2010	2011	2015	2016
EN 60079-2	Ex p	2	1		
EN 60079-7	Ex e			1	1
EN 60079-15	Ex n			2	2

EN 60079-0 included as appropriate

## 3.14 National accreditation

Eurofins Product Testing Italy S.r.l. holds accreditation from ACCREDIA to ISO/IEC 17065, certificate number 119B (see Annex A). The scope includes 'Equipment and protective systems for use in potentially explosive atmospheres'. The date of issue is 20.6.2012 with expiry on 19.6.2020.

National accreditation for the standards involved in this scope extension will be made. Pending this assessment, until then, annual surveillance may be required

## 3.15 Assessment of manufacturers and issue of QARs

Not relevant as this is a scope extension assessment. This was covered in the original assessment ExMC/906/DV

## 3.16 Comments (including issues found during assessment)

None.

## 4 ExTL for IECEX Certified Equipment Scheme

### 4.1 Assessment references

- a) IECEX02 IECEX Certified Equipment Scheme covering equipment for use in explosive atmospheres – Rules of Procedure
- b) IECEX OD003-2 Assessment, surveillance assessment and re-assessment of ExCBs and ExTLs operating in the IECEX 02, IECEX Certified Equipment Scheme
- c) IECEX OD009 Issuing of CoCs, ExTRs and QARs
- d) ISO/IEC 17025:2005 Edition 2, General requirements for the competence of testing and calibration laboratories
- e) IECEX Document OD17 Drawing and documentation guidance
- f) IECEX Technical Capability Document (TCD)
- g) ExTAG decision sheets (DSs)

NOTE The latest editions of the above documents were applied.

### 4.2 ExTL persons interviewed

Name	Position
Paolo Dentis	Technical director and QA representative
Dionisio Bucchieri	Technical responsible IECEX
Claudio Massa	Technician IECEX
Claudio Cafaro	Technician IECEX laboratory

### 4.3 Associated ExCB(s)

The ExCB is integral with the ExTL.

### 4.4 Organisation

#### 4.4.1 Names, titles and experience of the senior executives

Name	Title	Experience
Paolo Trisoglio	Managing Director	None relevant to Ex

#### 4.4.2 Name, title and experience of the quality management representative

Name	Title	Experience
Paolo Dentis	Technical director and QA representative	11 years in Ex

#### 4.4.3 Other employees in ExTL activity

Name	Title/responsibility	Experience in Ex
Claudio Massa	Technician IECEX	7 years in Ex
Claudio Cafaro	Technician IECEX laboratory	5 years in Ex
Enrico Martino	Technician IECEX laboratory	2 years in Ex
Zhiqiang Huo	Technician IECEX, located in Shanghai office	10 years in Ex

#### 4.5 Organizational structure

Not relevant as this is a scope extension assessment. This was covered in the original assessment ExMC/906/DV

#### 4.6 Resources

The operation is well resourced with appropriate facilities, test equipment, procedures and experienced staff to cover the scope extension

#### 4.7 Test reports issued

Number of test reports (ExTRs) issued under for the preceding years for each type of protection.

Standard numbers	Type of protection or other identifying information	Number of issued test reports			
		2010	2011	2015	2016
EN 60079-2	Ex p	2	1		
EN 60079-7	Ex e			1	1
EN 60079-15	Ex n			2	2

EN 60079-0 included as appropriate

#### 4.8 National accreditation

Eurofins Product Testing Italy S.r.l. holds accreditation from ACCREDIA to IEC 17025 no. 0085, Rev 28 dated 18.9.2014 which covers the following standards:  
IEC 60079-0, IEC 60079-1, IEC 60079-11, IEC 60079-18 and IEC 60079-31

National accreditation for the standards involved in this scope extension will be made. Pending this assessment, until then, annual surveillance will be required.

#### 4.9 Calibration

Not relevant as this is a scope extension assessment. This was covered in the original assessment ExMC/906/DV

#### 4.10 Comments (including issues found during assessment)

None.

## Annex A - Accreditation Certificate for Product Certification



### CERTIFICATO DI ACCREDITAMENTO *Accreditation Certificate*

Registrazione n°  
*Registration n°* **119B** Rev. **09**

Si dichiara che  
*We declare that*

**Eurofins Product Testing Italy S.r.l.**

Via Cuorné,21 10156 - Torino (TO) - Italia

è conforme ai requisiti  
della norma

UNI CEI EN/ISO/IEC 17065:2012

meets the requirements  
of the standard

EN/ISO/IEC 17065:2012

quale Organismo di

**Certificazione di prodotti/servizi**  
(così come dettagliato negli Allegati al presente Certificato)

as Body for the

**Certification of products/services**  
(as stated in the Enclosures to this Certificate)

Il presente Certificato non è da ritenersi valido se non accompagnato dai relativi Allegati e può essere sospeso o revocato in qualsiasi momento nel caso di inadempienza accertata da parte di ACCREDIA. La validità dell'accREDITAMENTO può essere verificata sul sito WEB ([www.accredia.it](http://www.accredia.it)) o richiesta direttamente al Dipartimento di competenza.  
*This Certificate is not valid without the relative Enclosures and can be suspended or withdrawn at any time in the event of non fulfillment as ascertained by ACCREDIA. Confirmation of the validity of accreditation can be verify on website ([www.accredia.it](http://www.accredia.it)) or by contacting the relevant Department.*

Data di 1ª emissione  
*1st issue date*  
2012-06-20

Data di modifica  
*Modification date*  
2016-03-14

Data di Scadenza  
*Expiring date*  
2020-06-19

Il Direttore di Dipartimento  
*The Department Director*  
(Dott. Emanuele Riva)

Il Presidente  
*The President*  
(Ing. Giuseppe Rossi)

Il Direttore Generale  
*The General Director*  
(Dott. Filippo Trifiletti)

ACCREDIA

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info@accredia.it | [www.accredia.it](http://www.accredia.it) | Partita IVA - Codice Fiscale 10566361001

**Allegato 1 al Certificato di accreditamento n° 119B Rev. 09**  
**Enclosure 1 to the accreditation Certificate n° 119B Rev. 09**

rilasciato a / issued to: **Euofins Product Testing Italy S.r.l.**

**Certificazione di prodotti nei seguenti schemi/settori:**

- Direttiva 95/16/CE Ascensori (vedere l'Allegato 2 del Certificato)
- Direttiva 2014/33/UE Ascensori e Componenti di Sicurezza per Ascensori (vedere l'Allegato 2 del Certificato)
- Direttiva 94/9/EC ATEX - Apparecchi e sistemi di protezione destinati ad essere utilizzati in atmosfera potenzialmente esplosiva (vedere l'Allegato 2 del Certificato)
- Direttiva 2006/42/CE - Macchine (vedere l'Allegato 2 del Certificato)
- Direttiva 97/23/CE PED - Apparecchiature in pressione (vedere l'Allegato 2 del Certificato)
- Direttiva 2014/68/UE Attrezzature a Pressione (vedere l'Allegato 2 del Certificato)
- Direttiva 89/686/CEE DPI - (vedere l'Allegato 2 del Certificato)
- Direttiva 2004/108/CE EMC (vedere l'Allegato 2 del Certificato)
- Direttiva 2014/30/UE Compatibilità Elettromagnetica (vedere l'Allegato 2 del Certificato)
- Direttiva 1999/5/CE RTTE (vedere l'Allegato 2 del Certificato)
- Direttiva 2014/53/EU Apparecchiature Radio (vedere l'Allegato 2 del Certificato)
- Direttiva 2000/14/CE Rumore (vedere l'Allegato 2 del Certificato)

**Certification of products within the following sectors:**

- Directive 95/16/EC Lifts (see Enclosure 2 of the Certificate)
- Directive 2014/33/EU Lifts and Safety Components for Lift (see Enclosure 2 of the Certificate)
- Directive 94/9/EC ATEX - Equipment and protective systems intended for use in potentially explosive atmospheres (see Enclosure 2 of the Certificate)
- Directive 2014/34/EU Equipment and protective systems intended for use in potentially explosive atmospheres (see Enclosure 2 of the Certificate)
- Directive 2006/42/EC - Machinery (see Enclosure 2 of the Certificate)
- Directive 97/23/EC PED - Pressure equipment (see Enclosure 2 of the Certificate)
- Directive 2014/68/EU Pressure Equipment (see Enclosure 2 of the Certificate)
- Directive 89/686/EEC Personal protective equipment (see Enclosure 2 of the Certificate)
- Directive 2004/108/EC EMC (see Enclosure 2 of the Certificate)
- Directive 2014/30/EU Electromagnetic compatibility (see Enclosure 2 of the Certificate)
- Directive 1999/5/EC RTTE (see Enclosure 2 of the Certificate)
- Directive 2014/53/EU Radio Equipment (see Enclosure 2 of the Certificate)
- Directive 2000/14/EC Noise emission in the environment by equipment for use outdoors (see Enclosure 2 of the Certificate)

L'accreditamento per i settori elencati nel presente Allegato è valido fino a tutto il 2020-06-19  
The accreditation for the sectors listed in this Enclosure is valid until 2020-06-19

Il Direttore di Dipartimento  
The Department Director  
(Dott. Emanuele Riva)

Il Presidente  
The President  
(Ing. Giuseppe Rossi)

Il Direttore Generale  
The General Director  
(Dott. Filippo Trifiletti)

Milano, 2016-03-14

ACCREDIA

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info@accredia.it | www.accredia.it | Partita IVA - Codice Fiscale 10566361001



ExMC/1117/DV  
June 2016

**Annex B – Accreditation Certificate for ISO/IEC 17025**



## CERTIFICATO DI ACCREDITAMENTO

### Accreditation Certificate

Accreditamento n°  
Accreditation n°**0085**Rev. **7**Si dichiara che  
We declare that**EUROFINS PRODUCT TESTING ITALY S.R.L.**Sede:  
Via Cuorgné 21 - 10156 Torino TOè conforme ai requisiti  
della norma  
  
meets the requirements  
of the standardUNI CEI EN ISO/IEC 17025:2005 "Requisiti generali per la competenza dei  
Laboratori di prova e taratura"*EN ISO/IEC 17025:2005 "General Requirements for the Competence of Testing  
and Calibration Laboratories" standard*quale  
as  
**Laboratorio di Prova**  
**Testing Laboratory**

L'accreditamento attesta la competenza tecnica del Laboratorio relativamente allo scopo riportato nelle schede allegate al presente certificato. Le schede possono variare nel tempo. I requisiti gestionali della ISO/IEC 17025:2005 (sezione 4) sono scritti in un linguaggio idoneo all'attività dei Laboratori di Prova, sono conformi ai principi della ISO 9001:2008 ed allineati con i suoi requisiti applicabili. Il presente certificato non è da ritenersi valido se non accompagnato dalle schede allegate e può essere sospeso o revocato in qualsiasi momento nel caso di inadempienza accertata da parte di ACCREDIA. La vigenza dell'accreditamento può essere verificata sul sito WEB ([www.accredia.it](http://www.accredia.it)) o richiesta direttamente ai singoli Dipartimenti.

*The accreditation certifies the technical competence of the laboratory limited to the scope detailed in the attached Enclosure. The scope may vary in the time. The management system requirements in ISO/IEC 17025:2005 (Section 4) are written in a language relevant to Testing Laboratories operations and meet the principles of ISO 9001:2008 and are aligned with its pertinent requirements.*

*The present certificate is valid only if associated to the annexed schedule, and can be suspended or withdrawn at any time in the event of non fulfilment as ascertained by ACCREDIA.*

*The in force status of the accreditation may be checked in the WEB site ([www.accredia.it](http://www.accredia.it)) or on direct request to appointed Department.*

Data di 1<sup>a</sup> emissione  
1st issue date  
**1994-10-27**Data di modifica  
Modification date  
**2015-07-16**Data di scadenza  
Expiring date  
**2019-06-24**

Il Direttore Generale  
The General Director  
(Dr. Filippo Trifiletti)

Il Direttore di Dipartimento  
Department Director  
(Dr. ssa Silvia Tramontin)

Il Presidente  
The President  
(Ing. Giuseppe Rossi)

<b>EUROFINS PRODUCT TESTING ITALY S.R.L.</b>  Via Cuorné 21 10156 Torino TO	Numero di accreditamento: <b>0085</b> Sede <b>A</b>
	Revisione: <b>28</b> Data: <b>03/12/2015</b>
	Scheda <b>6</b> di <b>14</b> PA102AR28.pdf

10.1 Spark ignition test IEC 60079-11:2011, EN 60079-11:2012  
 10.2 Temperature test  
 10.3 Dielectric strength tests  
 10.5 Tests for cells and batteries  
 10.6 Mechanical tests  
 10.9 Cable pull test  
 10.10 Transformer tests

8.1.1 Water absorption test IEC 60079-18:2009, EN 60079-18:2009  
 8.1.2 Dielectric strength test  
 8.2.2 Maximum temperature  
 8.2.3 Thermal endurance test  
 8.2.4 Dielectric strength test  
 8.2.5 Cable pull test  
 8.2.8 Sealing test for build-in protective devices

Determination of explosion pressure (reference pressure) 15.1.2 IEC 60079-1:2007, EN 60079-1:2007  
 Overpressure test – First method (static) 15.1.3.1  
 Test for non-transmission of an internal ignition 15.2  
 Tests of ability of the enclosure to withstand pressure 15.4.1  
 Thermal tests 15.4.2  
 Test for non-transmission of an internal ignition 15.4.3  
 Sealing test C.3.1  
 Test of mechanical test strength C.3.2  
 Type test for Ex blanking elements C.3.3  
 Type test for Ex thread adapters C.3.4

Resistance to impact 26.4.2 IEC 60079-0:2007, EN 60079-0:2009, IEC  
 Drop test 26.4.3 60079-0:2011, EN 60079-0:2012  
 Degree of protection (IP) by enclosures 26.4.5  
 Temperature measurement 26.5.1  
 Thermal shock test 26.5.2  
 Small component ignition test (Group I and Group II) 26.5.3  
 Torque test for bushings 26.6  
 Thermal endurance to heat 26.8  
 Thermal endurance to cold 26.9  
 Resistance to chemical agents for Group I electrical equipment 26.11  
 Earth continuity 26.12  
 Surface resistance test of parts of enclosures of non-metallic materials 26.13  
 Charging tests 26.14  
 Cable glands with clamping by the sealing ring A.3.1.1  
 Cable glands with clamping by filling compound A.3.1.2  
 Cable glands with clamping by means of a clamping device A.3.1.3  
 Tensile test A.3.1.4  
 Mechanical strength A.3.1.5  
 Tests of clamping where the armourings are clamped by device within the gland A.3.2.1  
 Tests of clamping where the armourings are not clamped by device within the gland A.3.2.2  
 Type test for resistance to impact A.3.3  
 Test for degree of protection (IP) of a cable glands A.3.4

Type tests for dust exclusion by enclosures 6.1.1 IEC 60079-31:2008, EN 60079-31:2009  
 Thermal tests 6.1.2  
 Pressure test 6.1.3

**Equipment for use in potentially explosive atmospheres ATEX ,  
 Electrical equipment**

*Denominazione della prova / Campi di prova*

*Metodo di prova*

Degrees of protection provided by enclosures (IP Code)

IEC 60529:1989 + A1:1999 + A2:2013

EN 60529:1991 + A1:2000 + A2:2014