



Organisme belge d'Accréditation
Belgische Accreditatieinstelling
Belgische Akkreditierungsstelle
Belgian Accreditation Body

EA MLA Signatory

Certificat d'Accréditation n° 003-TEST

En application des dispositions de l'arrêté royal du 31 janvier 2006 créant BELAC, le Bureau d'Accréditation atteste avoir délivré une accréditation conformément aux exigences de la norme EN ISO/IEC 17025:2017 à:

ASSOCIATION NATIONALE POUR LA PROTECTION CONTRE L'INCENDIE ET LE VOL ASBL

Granbonpré 1

1348 Ottignies-Louvain-La-Neuve

L'organisme a démontré posséder la compétence pour effectuer les activités réalisées dans les sites d'activités mentionnés dans la portée d'accréditation 003-TEST qui fait partie intégrante du présent certificat.

La version en vigueur de la portée d'accréditation est disponible via www.belac.be.

Ce certificat reste valable à condition que l'organisme continue de répondre aux conditions d'accréditation.

La Présidente du Bureau d'Accréditation BELAC,

Maureen LOGGHE

Version : 12

Période de validité : 2024-09-19 - 2029-03-20



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Accreditatiecertificaat nr. 003-TEST

In uitvoering van de beschikkingen van het koninklijk besluit van 31 januari 2006 tot oprichting van BELAC, verklaart het Accreditatiebureau accreditatie conform de eisen van de norm EN ISO/IEC 17025:2017 te hebben verleend aan:

ASSOCIATION NATIONALE POUR LA PROTECTION CONTRE L'INCENDIE ET LE VOL ASBL

Granbonpré 1

1348 Ottignies-Louvain-La-Neuve

De instelling heeft aangetoond bekwaamheid te bezitten voor de activiteiten uitgevoerd in de activiteitencentra zoals gespecificeerd in de accreditatiescope 003-TEST die integraal deel uitmaakt van dit certificaat.

De huidige versie van de accreditatiescope is beschikbaar op www.belac.be.

Dit certificaat blijft geldig onder voorwaarde dat de instelling blijft voldoen aan de accreditatievoorwaarden.

De Voorzitster van het Accreditatiebureau BELAC,

Maureen LOGGHE

Versie : 12

Geldigheidsduur : 2024-09-19 - 2029-03-20

De originele versie van dit certificaat is in het Frans.



Organisme belge d'Accréditation
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Accreditation Certificate No. 003-TEST

In compliance with the provisions of the Royal Decree of 31 January 2006 setting up BELAC, the Accreditation Board hereby declares to have granted accreditation conform the requirements of the standard EN ISO/IEC 17025:2017 to:

ASSOCIATION NATIONALE POUR LA PROTECTION CONTRE L'INCENDIE ET LE VOL ASBL

Granbonpré 1

1348 Ottignies-Louvain-La-Neuve

The body demonstrated the competence to perform the activities in the activity sites, as described in the scope of accreditation 003-TEST which is an integral part of the present certificate.

The current version of the scope of accreditation is available at www.belac.be.

This certificate remains valid as long as the body continues to meet the accreditation conditions.

The Chair of the Accreditation Board BELAC,

Maureen LOGGHE

Version : 12

Validity period : 2024-09-19 - 2029-03-20

Original version of this certificate is in French.



Organisme belge d'Accréditation
Belgische Accreditatieinstelling
Belgische Akkreditierungsstelle
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Akkreditierungszertifikat Nr. 003-TEST

Aufgrund der Bestimmungen des königlichen Erlasses vom 31. Januar 2006 zur Gründung von BELAC, bestätigt das Akkreditierungsbüro, gemäß den Vorschriften der Norm EN ISO/IEC 17025:2017, die folgende Stelle akkreditiert zu haben:

ASSOCIATION NATIONALE POUR LA PROTECTION CONTRE L'INCENDIE ET LE VOL ASBL

Granbonpré 1

1348 Ottignies-Louvain-La-Neuve

Die Stelle hat ihre Kompetenz für die in den Aktivitätszentren durchgeführten Aktivitäten gemäß dem Geltungsbereich der Akkreditierung 003-TEST, der ein integraler Bestandteil des vorliegenden Zertifikats ist, nachgewiesen.

Die aktuelle Version des Geltungsbereichs der Akkreditierung ist unter www.belac.be verfügbar.

Dieses Zertifikat bleibt unter der Bedingung gültig, dass die Stelle die Akkreditierungsanforderungen weiterhin erfüllt.

Die Vorsitzende des Akkreditierungsbüros BELAC,

Maureen LOGGHE

Fassung : 12

Gültigkeitsdauer : 2024-09-19 - 2029-03-20

Die Originalfassung dieses Zertifikats ist in französischer Sprache.



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Belgische Accreditatieinstelling
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Annexe au certificat d'accréditation
Bijlage bij accreditatiecertificaat
Annex to the accreditation certificate
Beilage zur Akkreditierungszertifikat

003-TEST

EN ISO/IEC 17025:2017

Version / Versie / Version / Fassung	25
Validité / Geldigheidsperiode / Validity / Gültigkeitsdauer	2025-11-25 – 2029-03-20

Maureen Logghe

La Présidente du Bureau d'Accréditation
Voorzitster van het Accreditatiebureau
Chair of the Accreditation Board
Vorsitzende des Akkreditierungsbüro

L'accréditation est délivrée à / De accreditatie werd uitgereikt aan
The accreditation is granted to / Die akkreditierung wurde erteilt für:

**ASSOCIATION NATIONALE POUR LA PROTECTION
CONTRE L'INCENDIE ET LE VOL ASBL
Granbonpré 1
1348 Ottignies-Louvain-la-Neuve**

Numéro d'entreprise / Ondernemingsnummer / Enterprise number / Unternehmensnummer:
0881.685.755

Sites d'activités / Activiteitencentra / Sites of activities / Standorte mit aktivitäten:

ANPI LLN	Parc Scientifique Fleming Granbonpré 1 1348 Ottignies-Louvain-la-Neuve
LENS	Rue du Calvaire 1 7870 Lens

PRODUCTS	TYPES OF TESTING	TEST METHODS	SITES OF ACTIVITY
1. Testing standards			
Environmental testing			
Electronical, communication, Electrical, Mechanical, Electromechanical material	Climatic solicitations	LAB COM PROC	
	Cold	IEC 60068-2-1	
	Dry Heat	IEC 60068-2-2	
	Damp heat, steady state	IEC 60068-2-3	
	Salt mist	IEC 60068-2-11	
	Change of temperature	IEC 60068-2-14 (Tests Na and Nb)	
	Damp heat, cyclic (12 + 12h cycle)	IEC 60068-2-30	
	Sulphur dioxide test for contacts and connections	IEC 60068-2-42	
	Salt mist, cyclic (sodium chloride solution)	IEC 60068-2-52	
	Damp heat, steady state, primarily for equipment	IEC 60068-2-56	
	Cold and dry heat tests	IEC 60068-3-1	
	Damp heat, steady state	IEC 60068-2-78	
	Corrosion tests in artificial atmospheres - salt spray tests	ISO 9227 (only Neutral Spray (NSS))	
	Mechanical solicitations	LAB COM PROC	
	Vibration (sinusoidal)	IEC 60068-2-6	
	Shock	IEC 60068-2-27	
	Rough handling shocks, primarily for equipment-type specimens	IEC 60068-2-31	
	Free fall	IEC 60068-2-32	
	Vibration, broadband random and guidance	IEC 60068-2-64	
	Hammer tests	IEC 60068-2-75	

PRODUCTS	TYPES OF TESTING	TEST METHODS	SITES OF ACTIVITY
	Enclosure solicitations	LAB ELS PROC	ANPI, LLN
	Degrees of protection provided by enclosures (IP Code)	IEC/EN 60529: Only: - IPX2 - IPX3 - IPX4 - IPX7 - IP2X - IP3X - IP4X - IP5X - IP6X	
	Test R and guidance: Water	IEC 60068-2-18: Only: - IPX2 - IPX4 - IPX7	
	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)	IEC/EN 62262: Only: - IK04 - IK06 - IK07 - IK08	
Alarm Systems	Climatic solicitations	LAB BIS PROC	
	Environmental test methods for intruder, hold up, cctv, access control and social alarm systems	EN 50130-5	

PRODUCTS	TYPES OF TESTING	TEST METHODS	SITES OF ACTIVITY
EMC testing			ANPI, LLN
Electronical, communication, Electrical, Electromechanical material Single-phase equipment (three-phase excluded)	EMC immunity	LAB EMC PROC	
	Overview of IEC 61000-4 series	IEC/EN 61000-4-1	
	Electrostatic discharge immunity	IEC/EN 61000-4-2	
	Radiated, radio-frequency, electromagnetic field immunity	IEC/EN 61000-4-3	
	Electrical fast transient/burst immunity	IEC/EN 61000-4-4	
	Surge immunity	IEC/EN 61000-4-5	
	Immunity to conducted disturbances, induced by radio-frequency fields	IEC/EN 61000-4-6	
	Power frequency magnetic field immunity	IEC/EN 61000-4-8	
	Voltage dips, short interruptions and voltage variations immunity	IEC/EN 61000-4-11	
	Generic standards - Immunity standard for residential, commercial and light-industrial environments	IEC/EN 61000-6-1	
	Generic standards - Immunity standard for industrial environments	IEC/EN 61000-6-2	
	EMC emission	LAB EMC PROC	
	Methods of measurement of disturbances and immunity - Conducted disturbance measurements	EN 55016-2-1 CISPR 16-2-1	
	Methods of measurement of disturbances and immunity - Radiated disturbance measurements	EN 55016-2-3 CISPR 16-2-3	
	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	IEEE/ANSI C63.4: limited to 6 GHz measurement.	
	Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)	IEC/EN 61000-3-2	
	Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection	IEC/EN 61000-3-3	
	Generic standards - Emission standard for residential, commercial and light-industrial environments	IEC/EN 61000-6-3	
	Generic standards - Emission standard for industrial environments	IEC/EN 61000-6-4	

PRODUCTS	TYPES OF TESTING	TEST METHODS	SITES OF ACTIVITY
Industrial, scientific and medical equipment	EMC emission	LAB EMC PROC	
	Radio-frequency disturbance characteristics - Limits and methods of measurement	EN 55011 CISPR 11 (not Gp 2 if f internal > 400 MHz)	
Information technology equipment & multimedia	EMC emission	LAB EMC PROC	
	Radio disturbance characteristics - Limits and methods of measurement	EN 55022 CISPR 22	
	Electromagnetic compatibility of multimedia equipment - Emission Requirements	EN 55032 CISPR 32	
	Radio Frequency devices: General Unintentional Radiators	FCC Part 15 subpart A and B: limited to 6 GHz measurement.	
	EMC immunity	LAB EMC PROC	
Immunity characteristics - Limits and methods of measurement	EN 55024 & CISPR 24		
Electric tools and similar apparatus	EMC emission	LAB EMC PROC	
	Requirements for household appliances, electric tools and similar apparatus Part 1: Emission	EN 55014-1 & CISPR 14-1: without the discontinuous disturbances	
	EMC immunity	LAB EMC PROC	
	Requirements for household appliances, electric tools and similar apparatus Part 2: Immunity - Product family standard	EN 55014-2 & CISPR 14-2	
Alarm Systems	EMC immunity	LAB EMC PROC	
	Immunity Requirements for components of fire, intruder, hold up, cctv, access control and social alarm systems	EN 50130-4 (<i>The last version of this standard is applicable except if the product standard refers specifically to another version</i>)	
Gaz detector	EMC emission & immunity	LAB EMC PROC	
	Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen	EN 50270 (only for EN50291-1 CO detectors) except EN 61000-4-29 standard	
Chemical testing			ANPI, LLN
Plastics	Chemical analysis	LAB COM PROC	
	Polymers/resins in the liquid state or as emulsions or dispersions – Determination of viscosity using a rotational viscometer with defined shear rate	ISO 3219	
Surface active agents	Chemical analysis	LAB COM PROC	
	Determination of surface tension by drawing up liquid films	ISO 304	
<i>The test methods identified above can be used in the context of the product standards listed below</i>			

PRODUCTS	TYPES OF TESTING	TEST METHODS	SITES OF ACTIVITY
2. Product standards			
Railway equipment	Environmental & EMC testing	LAB EMC PROC LAB COM PROC <i>(The last version of those standards are applicable except if a previously version is required by the customer)</i>	ANPI, LLN
	Rolling stock - Electronic equipment	EN 50155: For climatic, vibration, shock, EMC and electrical tests	
	Equipements Electroniques utilisés sur le matériel roulant - Conditions particulières d'application à la SNCF de la norme NF EN 50155	STM-E-001: For EMC and electrical tests.	
	Emission and immunity of the signalling and telecommunications apparatus	EN 50121-4: Pulse magnetic field immunity test excluded; Power frequency magnetic field immunity test excluded; Conducted, common mode disturbances immunity test excluded (according to IEC 61000-4-16).	
	Rolling stock - Apparatus	EN 50121-3-2 (except testing according to EN61000-4-30)	
	Rolling stock equipment – Shock and vibration	EN 61373	
Medical equipment	EMC testing	LAB EMC PROC	ANPI, LLN
	Electromagnetic disturbances: Immunity and emission	IEC 60601-1-2: no test possible on the equipments of group 2 (RMN, diathermie, hyperthermy, HF surgical); no test possible on the lighting equipment; immunity test EFT not possible on the equipment with multiple coupling points	

PRODUCTS	TYPES OF TESTING	TEST METHODS	SITES OF ACTIVITY
Fire prevention and damage restriction material	Performance & endurance	LAB BFS PROC	ANPI, LLN
Control and indicating equipment	Examination of the informations provided by the manufacturer Functional testing Environmental testing according to climatic and mechanical solicitations EMC testing	EN 54-2	
Power supply equipment		EN 54-4	
Heat detectors - Point heat detectors		EN 54-5	
Smoke detectors - Point smoke detectors that operate using scattered light, transmitted light or ionization		EN 54-7 (only closed detector)	
Manual call points		EN 54-11	
Compatibility and connectability assessment of system components		EN 54-13	
Voice alarm control and indicating equipment		NTN 179-L	
Short-circuit isolators		EN 54-16	
Input/output devices		EN 54-17	
Loudspeakers		EN 54-18	
Components using radio links		EN 54-24	
Multi-sensor fire detectors - Point detectors using a combination of smoke and heat sensors		EN 54-25	
Smoke alarm devices		EN 54-29	
Gas detectors - Electrical apparatus for the detection of carbon monoxide in domestic premises		CEA 4021	
	EN 14604		
	NTN167-L		
	EN50291-1 (except §5.2)		

PRODUCTS	TYPES OF TESTING	TEST METHODS	SITES OF ACTIVITY
Manual means for extinction	Performance & endurance	LAB BFS PROC	
Portable fire extinguishers	Dielectric test Fire performance	EN 3-7 only: - §9 + Annex C - §15 + Annex I	ANPI, LLN + LENS
Mobile fire extinguishers		EN 1866-1 only: - §7.3 - §8	
Fire blankets	General performance Fire performance	EN 1869	
Automatic systems for extinction	Performance & endurance	LAB BFS PROC	
Electrical automatic control and delay devices	Functional testing	EN 12094-1	ANPI, LLN
Manual triggering and stop devices	EMC testing	EN 12094-3 (except § 4.2 and § 5.2)	
Sprinklers	Functional testing Operating temperatures Water flow and distribution	EN 12259-1 (only §4.4, 4.5 and 4.6) (only 0,5 and 3 bar) NTN ANPI 126 (lab developed and validated methode)	
Extinguishing module for commercial kitchens	Examination of the informations provided by the manufacturer	EN17446 (§4 & §5 & §6)	ANPI, LLN
	Fire performance on deep fat fryer	EN17446 (§7.2)	
	Splash test on deep fat fryer	EN17446 (§7.3 & §7.3.2 & §7.3.3)	
	Fire performance on Hood	EN17446 (§7.4)	
	Fire performance on Plenum	EN17446 (§7.5)	
	Distribution test	EN17446 (§7.6)	
Specifications for automatic triggering of extinguishing modules for commercial kitchens	Examination of the informations provided by the manufacturer Fire performance	NTN 185-L	
Part L: Complementary requirements to EN 17446			

PRODUCTS	TYPES OF TESTING	TEST METHODS	SITES OF ACTIVITY
Fire extinguishing media	Performance & endurance	LAB BFS PROC	
Medium expansion foam concentrates for surface application to water-immiscible liquids	Examination of the informations provided by the manufacturer Functional testing: - Extinguishing performance tests foam quality	EN 1568-1 EN 1568-1:2008 NTN 168-L	ANPI, LLN + LENS
High expansion foam concentrates for surface application to water-immiscible liquids	Climatical testing Chemical analysis: - Sediment in the foam concentrate - Freezing point	EN 1568-2 EN 1568-2:2008 NTN 168-L	
Low expansion foam concentrates for surface application to water-immiscible liquids	- Viscosity of the foam concentrate/specific gravity - pH of the foam concentrate - Surface tension of the foam solution - Stability/separation test of foam concentrate - Determination of expansion/drainage time	EN 1568-3 EN 1568-3:2008 NTN 168-L	
Low expansion foam concentrates for surface application to water-miscible liquids	- Film forming determination (only EN 1568-3)	EN 1568-4 EN 1568-4:2008 NTN 168-L	
Medium expansion foam concentrates for surface application to water-immiscible liquids	Examination of the informations provided by the manufacturer (Foam type) Functional testing: - Extinguishing performance tests foam quality	NEN EN 13565-2:2018 + AC:2019 §11.3.2.4.1 EN 1568-1 EN 1568-1:2008	
High expansion foam concentrates for surface application to water-immiscible liquids	Chemical analysis: - specific gravity - pH of the foam concentrate	NEN EN 13565-2:2018 + AC:2019 §11.3.2.4.1 EN 1568-2 EN 1568-2:2008	
Low expansion foam concentrates for surface application to water-immiscible liquids	- sediment before/after ageing - Determination of expansion/drainage time	NEN EN 13565-2:2018 + AC:2019 §11.3.2.4.1 EN 1568-3 EN 1568-3:2008	
Low expansion foam concentrates for surface application to water-miscible liquids	- Film forming determination	NEN EN 13565-2:2018 + AC:2019 §11.3.2.4.1 EN 1568-4 EN 1568-4:2008	

PRODUCTS	TYPES OF TESTING	TEST METHODS	SITES OF ACTIVITY
AR foam concentrates	Determining resistance to polar solvents	NEN EN 13565-2:2018 + AC:2019 §11.3.2.4.1	
Medium expansion foam concentrates for surface application to water-immiscible liquids	Concentration percentage of firefighting foam	NTN 168-L	
High expansion foam concentrates for surface application to water-immiscible liquids		NTN 168-L	
Low expansion foam concentrates for surface application to water-immiscible liquids		NTN 168-L	
Low expansion foam concentrates for surface application to water-miscible liquids		NTN 168-L	
AR foam concentrates	Determining resistance to polar solvents	"in-house method LAB BFS PROC 005 NTN168 Firefighting foams F" NEN EN 13565-2:2018 + AC:2019 §11.3.2.4.1	
Medium expansion foam concentrates for surface application to water-immiscible liquids	Concentration percentage of firefighting foam	"in-house method LAB BFS PROC 005 NTN168 Firefighting foams F" NTN 168-L	
High expansion foam concentrates for surface application to water-immiscible liquids		"in-house method LAB BFS PROC 005 NTN168 Firefighting foams F" NTN 168-L	
Low expansion foam concentrates for surface application to water-immiscible liquids		"in-house method LAB BFS PROC 005 NTN168 Firefighting foams F" NTN 168-L	
Low expansion foam concentrates for surface application to water-miscible liquids		"in-house method LAB BFS PROC 005 NTN168 Firefighting foams F" NTN 168-L	

PRODUCTS	TYPES OF TESTING	TEST METHODS	SITES OF ACTIVITY
Fire prevention and damage restriction material	Performance & endurance	LAB BIS PROC	
Alarm Systems	Examination of the informations provided by the manufacturer Functional testing	EN 50131-1 T031 CEB/ BEC (§5 & §6) T033 CEB/ BEC (§5 & §6)	
Passive infrared detectors	Examination of the informations provided by the manufacturer Functional testing Environmental testing according to climatic and mechanical solicitations EMC testing	EN 50131-2-2 T031 CEB/ BEC (§7.1)	
	Examination of the informations provided by the manufacturer Functional testing	T033 CEB/ BEC (§7.1)	
Passive infrared and microwave detectors	Examination of the informations provided by the manufacturer Functional testing Environmental testing according to climatic and mechanical solicitations EMC testing	EN 50131-2-4 T031 CEB/ BEC (§7.3)	
	Examination of the informations provided by the manufacturer Functional testing	T033 CEB/ BEC (§7.3)	
Active infrared detector	Examination of the informations provided by the manufacturer Functional testing Environmental testing according to climatic and mechanical solicitations EMC testing	T031 CEB/ BEC (§7.10)	
Opening contacts (Magnetic)	Examination of the informations provided by the manufacturer Functional testing Environmental testing according to climatic and mechanical solicitations EMC testing	EN 50131-2-6 T031 CEB/ BEC (§7.5)	
	Examination of the informations provided by the manufacturer Functional testing	T033 CEB/ BEC (§7.5)	

PRODUCTS	TYPES OF TESTING	TEST METHODS	SITES OF ACTIVITY
Glass break detectors (acoustic)	Examination of the informations provided by the manufacturer Functional testing	T033 CEB/ BEC (§7.6)	ANPI, LLN
Glass break detectors (passive)	Examination of the informations provided by the manufacturer Functional testing	T033 CEB/ BEC (§7.7)	
Glass break detectors (active)	Examination of the informations provided by the manufacturer Functional testing	T033 CEB/ BEC (§7.9)	
Control and indicating equipment	Examination of the informations provided by the manufacturer Functional testing	EN 50131-3	
	Environmental testing according to climatic and mechanical solicitations EMC testing	T031 CEB/ BEC (§7.11)	
	Examination of the informations provided by the manufacturer Functional testing	T033 CEB/ BEC (§7.10)	
Warning devices	Examination of the informations provided by the manufacturer Functional testing	EN 50131-4	
	Environmental testing according to climatic and mechanical solicitations EMC testing	T031 CEB/ BEC (§7.12)	
	Examination of the informations provided by the manufacturer Functional testing	T033 CEB/ BEC (§7.11)	
Interconnections equipment using radio frequency techniques	Examination of the informations provided by the manufacturer Functional testing	EN 50131-5-3	
		T031 CEB/ BEC (§6.1)	

PRODUCTS	TYPES OF TESTING	TEST METHODS	SITES OF ACTIVITY
Power supplies	Examination of the informations provided by the manufacturer Functional testing Environemental testing according to climatic and mechanical solicitations EMC testing	EN 50131-6	
	Examination of the informations provided by the manufacturer Functional testing	T031 CEB/ BEC (§7.13)	
	Examination of the informations provided by the manufacturer Functional testing	T033 CEB/ BEC (§7.12)	
Supervised Premises Transceiver (SPT)	Examination of the informations provided by the manufacturer Functional testing Environemental testing according to climatic and mechanical solicitations EMC testing	EN 50131-10	
	Examination of the informations provided by the manufacturer Functional testing	EN 50136-2	
	Examination of the informations provided by the manufacturer Functional testing	T031 CEB/ BEC (§7.14) T033 CEB/ BEC (§7.13)	
Boxes: - Junction box - Housing	Examination of the informations provided by the manufacturer Functional testing Environemental testing according to climatic and mechanical solicitations EMC testing	T034 CEB/ BEC	