United Arab Emirates
Ministry of interior
Civil Defense G.H.Q
Fire intentional Lab & House
of Expertise & Training Center
Approval Committee

دولة الامارات العربية المتحدة
وزارةالداخلية
القيادةالعامةللدفاعالمدني
لجنة اعتماد المختبرات العالمية
وبيوت الخبرة ومعاهد التدريب

Date: April 6, 2018

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER	1. 512/BA/17 2. 1835/BA/16 3. 1518/BA/15 4. 3016/BA/06 5. 962/BA/02	**CERTIFICATE NUMBER**	DC – UAE – 0091
DATE OF ISSUE	1. January 26, 2018 2. July 7, 2016 3. January 22, 2016 4. December 12, 2006 5. May 30, 2003	**DATE OF ISSUE**	April 6, 2018
DATE OF EXPIRY	Not applicable	**DATE OF EXPIRY**	April 5, 2028
Manufacturer details			
NAME OF FACTORY / MANUFACTURER	POLON-ALFA S.A.	**NAME OF THE BRAND**	POLON-ALFA
FACTORY ADDRESS / REGION	ul. Glinki 155 85-861 Bydgoszcz Republic of Poland	**MODEL / NO**	DOT-4046
WEBSITE	www.polon-alfa.pl	**LOGO ON THE PRODUCT**	POLON-ALFA
TELEPHONE	+48 52 36 39 269	**EMAIL**	export@polon-alfa.pl tomasz.piaskowski@polon-alfa.pl

CENTRUM NAUKOWO-BADAWCZE OCHRONY PRZECIWPOŻAROWEJ im. Józefa Tuliszkowskiego PAŃSTWOWY INSTYTUT BADAWCZY

Product Details From Test Report				Reference Test Report Page No.
DESCRIPTION OF THE PRODUCT	Multisensor smoke and heat detector type DOT-4046 with short-circuit isolator (Detailed specification below)			3 (512/BA/17) 3 (1835/BA/16) 3 (3016/BA/06) 3 (962/BA/02)
TESTS STANDARD	EN 54-5:2000+A1:2002 Fire detection and fire alarm systems - Part 5: Heat detectors - Point detectors EN 54-7:2000 + A1:2002 + A2:2006 Fire detection and fire alarm systems - Part 7: Smoke detectors - Point detectors using scattered light, transmitted light or ionization EN 54-17:2005 + AC:2007 Fire detection and fire alarm systems - Part 17: Short-circuit isolators			7 (512/BA/17) 6 (1835/BA/16) 6 (1518/BA/15) 7 (3016/BA/06) 7 (962/BA/02)
TESTS DESCRIPTION	Requirements, test methods and performance criteria for multisensor smoke and heat detector intended to broadcast a warning of fire between a fire detection and fire alarm system and the occupants of a building.			7-8 (512/BA/17) 6 (1835/BA/16) 6 (1518/BA/15) 7 (3016/BA/06) 7 (962/BA/02)
	Type:	DOT-4046		3-4 (512/BA/17) (3-4) (1835/BA/16) 4 (1518/BA/15) 3-6 (3016/BA/06) 4 (962/BA/02)
	Supply voltage [V DC]:	16,5 ÷ 24,6		
	Quiescent current [A]:	≤ 0,00015		
	Alarm current [A]:	≤ 0,00015 ≤ 0,02015 during LED flashing		
	Classification of the detector according to EN 54-5:	A1, A1R, B, BR		
	Maximum voltage at which the device isolates [V DC]:	6		
	Minimum voltage at which the device isolates [V DC]:	3		
	Maximum voltage at which the device reconnects [V DC]:	24,6		
	Minimum voltage at which the device reconnects [V DC]:	16,5		
	Operating temperature [°C]:	-10 ÷ +55		
	Material of housing:	plastic material		
	Dimensions [mm]:	Ø 115 mm x 71 mm (with a socket)		
	Mass [g]:	200		
TESTS RESULTS	EN 54-5	Classification	PASS	10-25 (512/BA/17) 6-7 (1835/BA/16) 7-9 (1518/BA/15) 12-33 (3016/BA/06) 15-47 (962/BA/02)
	EN 54-5	Position of heat sensitive element	PASS	
	EN 54-5	Directional dependence	PASS	
	EN 54-5	Static response temperature	PASS	
	EN 54-5	Response times from typical application temperature	PASS	
	EN 54-5	Response times from 25 °C	PASS	
	EN 54-5	Response times from high ambient temperature	PASS	
	EN 54-5	Reproducibility	PASS	
	EN 54-5	Additional test for suffix S detectors	NOT APPLICABLE	
	EN 54-5	Additional test for suffix R detectors	PASS	
	EN 54-5	Individual alarm indication	PASS	
	EN 54-5	Connection of ancillary devices	PASS	
	EN 54-5	Monitoring of detachable detectors	PASS	
	EN 54-5	Manufacturer's adjustments	PASS	
	EN 54-5	On-site adjustment of response behavior	PASS	
	EN 54-5	Marking	PASS	
	EN 54-5	Data	PASS	
	EN 54-5	Additional requirements for software controlled detectors	PASS	
	EN 54-5	Variation in supply parameters	PASS	
	EN 54-5 - EN 60068-2-1	Cold (operational)	PASS	
	EN 54-5 - EN 60068-2-2	Dry heat (endurance)	NOT APPLICABLE	

	EN 54-5 - EN 60068-2-27	Shock (operational)	PASS	
	EN 54-5	Impact (operational)	PASS	
	EN 54-5 - EN 60068-2-6	Vibration, sinusoidal (operational)	PASS	
	EN 54-5 - EN 60068-2-6	Vibration, sinusoidal (endurance)	PASS	
	EN 54-5 - EN 60068-2-30	Damp heat, cyclic (operational)	PASS	
	EN 54-5 - EN 60068-2-56	Damp heat, steady state (endurance)	PASS	
	EN 54-5 - EN 60068-2-42	Sulphur dioxide (SO_2) corrosion (endurance)	PASS	
	EN 54-5 - EN 50130-4	Electromagnetic compatibility (EMC), immunity (operational)	PASS	
	EN 54-7	Response to slowly developing fires	PASS	
	EN 54-7	Repeatability	PASS	
	EN 54-7	Directional dependence	PASS	
	EN 54-7	Reproducibility	PASS	
	EN 54-7	Air movement	PASS	
	EN 54-7	Dazzling	PASS	
	EN 54-7	Fire sensitivity	PASS	
	EN 54-7	Individual alarm indication	PASS	
	EN 54-7	Connection of ancillary devices	PASS	
	EN 54-7	Monitoring of detachable detectors	PASS	
	EN 54-7	Manufacturer's adjustments	NOT APPLICABLE	
	EN 54-7	On-site adjustment of response behaviour	NOT APPLICABLE	
	EN 54-7	Protection against the ingress of foreign bodies	PASS	
	EN 54-7	Marking	PASS	
	EN 54-7	Data	PASS	
	EN 54-7	Additional requirements for software controlled detectors	PASS	
	EN 54-7	Variation in supply parameters	PASS	
	EN 54-7	Dry heat (operational)	PASS	
	EN 54-7- EN 60068-2-1	Cold (operational)	PASS	
	EN 54-7- EN 60068-2-27	Shock (operational)	PASS	
	EN 54-7	Impact (operational)	PASS	
	EN 54-7- EN 60068-2-6	Vibration, sinusoidal (operational)	PASS	
	EN 54-7 - EN 60068-2-6	Vibration, sinusoidal (endurance)	PASS	
	EN 54-7 - EN 60068-2-56	Damp heat, steady state (operational)	PASS	
	EN 54-7 - EN 60068-2-56	Damp heat, steady state (endurance)	PASS	
	EN 54-7 - EN 60068-2-42	Sulphur dioxide (SO_2) corrosion (endurance)	PASS	
	EN 54-7 - EN 50130-4	Electromagnetic compatibility (EMC), immunity (operational)	PASS	
	EN 54-17	Reproducibility	PASS	
	EN 54-17	Requirements	PASS	
	EN 54-17 - EN 60068-2-2	Dry heat (operational)	PASS	
	EN 54-17 - EN 60068-2-1	Cold (operational)	PASS	
	EN 54-17 - EN 60068-2-27	Shock (operational)	PASS	
	EN 54-17	Impact (operational)	PASS	
	EN 54-17 - EN 60068-2-6	Vibration, sinusoidal (operational)	PASS	
	EN 54-17 - EN 60068-2-6	Vibration, sinusoidal (endurance)	PASS	
	EN 54-17 - EN 60068-2-30	Damp heat, cyclic (operational)	PASS	
	EN 54-17 - EN 60068-2-78	Damp heat, steady state (endurance)	PASS	
	EN 54-17 - EN 60068-2-42	Sulphur dioxide (SO_2) corrosion (endurance)	PASS	
	EN 54-17	Variation in supply parameters	PASS	
	EN 54-17 - EN 50130-4	Electromagnetic compatibility (EMC), immunity tests (operational)	PASS	
PRODUCT APPLICATION GUIDELINE	KK-E301/04.2018 KK-E301/04.2018/EN	Multisensor smoke and heat detector type DOT-4046 is equipped with short-circuit isolator. This product has two sensors: a heat and a smoke. Universal smoke and heat detector type DOT-4046 with short-circuit isolator has to be used with fire detection and fire alarm systems.		Not applicable

Laboratory and Certification Body Details			
NAME OF CERTIFICATION BODY	CNBOP-PIB Centrum Naukowo-Badawcze Ochrony Przeciwpożarowej Państwowy Instytut Badawczy	NAME OF TEST FACILITY	CNBOP-PIB Zespół Laboratoriów Sygnalizacji Alarmu Pożaru i Automatyki Pożarniczej
CERTIFICATION BODY ADDRESS / REGION	ul. Nadwiślańska 213 05-420 Józefów REPUBLIC OF POLAND	TEST FACILITY ADDRESS / REGION	ul. Nadwiślańska 213 05-420 Józefów REPUBLIC OF POLAND
WEBSITE	www.cnbop.pl	WEBSITE	www.cnbop.pl
TELEPHONE	+48 22 769 33 47	TELEPHONE	+48 22 769 32 26
EMAIL	jcw@cnbop.pl	EMAIL	ba@cnbop.pl
ACCREDITED BY	Polish Centre for Accreditation http://www.pca.gov.pl	ACCREDITED BY	Polish Centre for Accreditation http://www.pca.gov.pl
AS PER	EN ISO/IEC 17065 Requirements for bodies certifying products, processes and services	AS PER	EN ISO/IEC 17025 General requirements for the competence of testing and calibration laboratories
VALIDITY	October 3, 2018	VALIDITY	October 11, 2021
REFERENCE NUMBER	AC 063	REFERENCE NUMBER	AB 207
CERTIFICATION MARK	CNBOP-PIB®		
(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME AND SURNAME OF MANUFACTURERS SIGNATORY	Dariusz Nagański	SIGNATURE	
EMAIL / TELEPHONE	+48 52 36 39 261 export@polon-alfa.pl	FACTORY OFFICIAL SEAL	POLON-ALFA S.A. ul. Glinki 155 85-861 BYDGOSZCZ NIP 554-03-11-901 (1)
NOTES	I UNDERTAKE THAT ALL DATA AND INFORMATION PROVIDED ARE GENUINE AND ACCURATE.		
(ENDORSEMENT) TO BE CERTIFICATION BODY			
NAME AND SURNAME OF CERTIFICATION BODY SIGNATORY	bryg. dr inż. Jacek Zboina	SIGNATURE	
EMAIL / TELEPHONE	cnbop@cnbop.pl +48 22 769 33 00	CERTIFICATION BODY OFFICIAL SEAL	CENTRUM NAUKOWO-BADAWCZE im. Józefa Tuliszkowskiego
NOTES	I UNDERTAKE THAT ALL DATA AND INFORMATION PROVIDED ARE GENUINE AND ACCURATE.		

ATTACHEMENT: COPY OF "CERTIFICATE OF CONSTANCY OF PERFORMANCE" NO. 1438–CPR–0075 ISSUED BY CERTIFICATION BODY