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: July 13, 2022
This Certificate replaces Certificate No. DC – UAE – 0146 dated January 29, 2020

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER	1. 5075/BA/2011 2. 506/BA/17 3. 98/BA/22	**CERTIFICATE NUMBER**	DC – UAE – 0146
DATE OF ISSUE	1. May 16, 2011 2. March 15, 2018 3. May 25, 2022	**DATE OF ISSUE**	July 13, 2022
DATE OF EXPIRY	Not applicable	**DATE OF EXPIRY**	July 3, 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**	DUR-4047
WEBSITE	www.polon-alfa.pl	**LOGO ON THE PRODUCT**	POLON-ALFA
TELEPHONE	+48 52 36 39 278	**EMAIL**	export@polon-alfa.pl justyna.kasierska@polon-alfa.pl

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

Product Details From Test Report				Reference Test Report Page No.
DESCRIPTION OF THE PRODUCT	Point detectors using scattered light, transmitted light or ionization and using radio links - Universal wireless optical smoke detector type DUR-4047 (Detailed specification below)			3 (5075/BA/2011) (506/BA/17) (98/BA/22)
TESTS STANDARD	EN 54-7:2018 Fire detection and fire alarm systems – Point smoke detectors that operate using scattered light, transmitted light or ionization EN 54-25:2008+AC:2010 Fire detection and fire alarm systems - Part 25: Components using radio links			5-7 (5075/BA/2011) 6 (506/BA/17) 5 (98/BA/22)
TESTS DESCRIPTION	Requirements, test methods and performance criteria for universal wireless optical smoke detector intended to broadcast a warning of fire between a fire detection and fire alarm system and the occupants of a building.			5-7 (5075/BA/2011) 6-7 (506/BA/17)
SPECIFICATION OF TEST SPECIMEN	Type:	DUR-4047		3-4 (5075/BA/2011) (506/BA/17) (98/BA/22)
	Detachable detector:	yes		
	Connection of ancillary devices:	no		
	On-site adjustment of response behaviour:	yes		
	Fire sensitivity:	TF2, TF3, TF4, TF5		
	Supply voltage [V DC]:	3		
	Quiescent current [A]:	< 0,000080		
	Alarm current [A]:	< 0,001		
	Protection against the ingress of foreign bodies:	Detector is designed that a sphere of a diameter of (1,3 ± 0,05) mm cannot pass into the sensor chamber.		
	Operating temperature [°C]:	-10 ÷ +55		
	Material of housing:	plastic material		
	Dimensions [mm]:	Ø 115 x 54 with a socket G-40		
	Mass [g]:	200		
	Type of radio adapter:	ACR-4001		
	Frequency range of radio track [MHz]:	863 ÷ 870		
TESTS RESULTS	EN 54-7	Individual alarm indication	PASS	7-8 (5075/BA/2011) 8-21 (506/BA/17) 5-8 (98/BA/22)
	EN 54-7	Connection of ancillary devices	NOT APPLICABLE	
	EN 54-7	Monitoring of detachable detectors	PASS	
	EN 54-7	Manufacturer's adjustments	PASS	
	EN 54-7	On-site adjustment of response behaviour	PASS	
	EN 54-7	Protection against the ingress of foreign bodies	PASS	
	EN 54-7	Response to slowly developing fires	PASS	
	EN 54-7	Software controlled detectors (when provided)	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	Variation in supply parameters	PASS	
	EN 54-7	Fire sensitivity	PASS	
	EN 54-7 - EN 60068-2-1	Cold (operational)	PASS	
	EN 54-7 - EN 60068-2-2	Dry heat (operational)	PASS	
	EN 54-7 - EN 60068-2-78	Damp heat, steady state (operational)	PASS	
	EN 54-7 - EN 60068-2-78	Damp heat, steady state (endurance)	PASS	
	EN 54-7 - EN 60068-2-42	Sulphur dioxide (SO2) corrosion (endurance)	PASS	
	EN 54-7 - EN 60068-2-27	Shock (operational)	PASS	
	EN 54-7 - EN 60068-2-75	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 50130-4	Electromagnetic compatibility, immunity (operational)	PASS*	
	* Not applicable for tests in compliance with EN 50130-4:1995/A1:1998 point 11, 12 and 13.			

	EN 54-25	General	PASS	
	EN 54-25	Alarm signal integrity	PASS	
	EN 54-25	General	PASS	
	EN 54-25	Reproducibility test	PASS	
	EN 54-25	Test for alarm signal integrity	PASS	
	EN 54-25	Test for mutual disturbance between systems of the same manufacturer	PASS	
	EN 54-25	Immunity to site attenuation	PASS	
	EN 54-25	Identification of the RF linked component	PASS	
	EN 54-25	Receiver performance	PASS	
	EN 54-25	Immunity to interference	PASS	
	EN 54-25	Loss of communication	PASS	
	EN 54-25	Antenna	PASS	
	EN 54-25	Power supply equipment	PASS	
	EN 54-25	Environmental related requirements	PASS	
	EN 54-25	Documentation	PASS	
	EN 54-25	Marking	PASS	
	EN 54-25	Test for immunity to site attenuation	PASS	
	EN 54-25	Test for identification of RF linked components	PASS	
	EN 54-25	Test for the receiver performance	PASS	
	EN 54-25	Test of compatibility with other band users	PASS	
	EN 54-25	Test for the detection of a loss of communication on a link	PASS	
	EN 54-25	Test of antenna	PASS	
	EN 54-25	General	PASS	
	EN 54-25	Test schedule for components tests	PASS	
	EN 54-25	Verification of the service life of the autonomous power source(s)	PASS	
	EN 54-25	Test for the low power condition fault signal	PASS	
	EN 54-25	Test for the polarity reversal	PASS	
	EN 54-25	Repeatability test	PASS	
	EN 54-25 - EN 60068-2-2	Dry heat (operational)	PASS	
	EN 54-25 - EN 60068-2-2	Dry heat (endurance)	PASS	
	EN 54-25 - EN 60068-2-1	Cold (operational)	PASS	
	EN 54-25 - EN 60068-2-27	Shock (operational)	PASS	
	EN 54-25	Impact (operational)	PASS	
	EN 54-25 - EN 60068-2-6	Vibration, sinusoidal (operational)	PASS	
	EN 54-25 - EN 60068-2-6	Vibration, sinusoidal (endurance)	PASS	
	EN 54-25 - EN 60068-2-30	Damp heat, cyclic (operational)	NOT APPLICABLE	
	EN 54-25 - EN 60068-2-78	Damp heat, steady state (operational)	PASS	
	EN 54-25 - EN 60068-2-78	Damp heat, steady state (endurance)	PASS	
	EN 54-25 - EN 60068-2-42	SO2-corrosion (endurance)	PASS	
	EN 54-25 - EN 50130-4	Electromagnetic compatibility (EMC), immunity tests (operational)	PASS*	
	* Not applicable for tests in compliance with EN 50130-4:1995+A1:1998 point 7, 8, 11, 12 and 13.			
PRODUCT APPLICATION GUIDELINE	KK-E315/05.2019 KK-E315/05.2019/EN	The universal wireless optical smoke detector type DUR-4047 is designed for detection of smoke. It is an analogue detector with automatic sensitivity self-compensation. Universal wireless optical smoke detector type DUR-4047 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, 2022	**VALIDITY**	October 11, 2025
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 Napalski Robert Pestke	**SIGNATURE**	
EMAIL / TELEPHONE	+48523639278 export@polon-alfa.pl	**FACTORY OFFICIAL SEAL**	POLON-ALFA S.A. ul. Glinki 155 85-861 BYDGOSZCZ
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	**st. bryg. dr inż. Paweł Janik**	**SIGNATURE**	
EMAIL / TELEPHONE	**cnbop@cnbop.pl** **+48 22 769 33 00**	**CERTIFICATION BODY OFFICIAL SEAL**	CENTRUM NAUKOWO-BADAWCZE im. Józefa Tuliszkowskiego PAŃSTWOWY INSTYTUT BADAWCZY OCHRONY PRZECIWPOŻAROWEJ
NOTES	I UNDERTAKE THAT ALL DATA AND INFORMATION PROVIDED ARE GENUINE AND ACCURATE.		

ATTACHEMENT: COPY OF "CERTIFICATE OF CONSTANCY OF PERFORMANCE" NO. 1438–CPR–0216 ISSUE 2 ISSUED BY CERTIFICATION BODY