

# VOLUNTARY CERTIFICATE OF CONFORMITY

## No. 6/2016

Scientific and Research Centre for Fire Protection – National Research Institute  
following a request by:

**Actok Trade Singapore PTE LTD**  
**163 Penang Road**

**#02-03 Winsland House II, 238463 Singapore**

according to art. 6 point 3 of act dated on August 30, 2002 concerning conformity assessment system  
(Polish O. J. 2010, No. 138, item. 935 with subsequent amendments), states that the product:

**Autonomous fire extinguishing products with thermo-activated micro-capsule  
extinguishing agent type ACTOK PyroCord type M**

produced by:

**PyroChemica-Center LLC**  
**Bolshaya Ochakovskaya st. 44**  
**119361 Moscow, Russia**

in manufacturing plant:

**PyroChemica-Center LLC**  
**Bolshaya Ochakovskaya st. 44**  
**119361 Moscow, Russia**

meets the requirements of:

**WBO/8//CNBOP-PIB:2015 edition 2**

### Documentation:

1. Application for product certification no D/4719/2015 dated 23.12.2015 and no D/4770/2016 dated 18.03.2016.
2. Test report no. 1589/BW/15 dated 15.01.2016 and test report no. 1695/BW/16 dated 18.03.2016 performed by Zespół Laboratoriów Procesów Spalania i Wybuchowości BW CNBOP-PIB.

The certificate is valid under the condition that the Applicant fulfils the requirements of agreement no. 2/DC/DO/2016 dated 15.01.2016.

Validity period:

from 18.03.2016

until 14.01.2021

MANAGER of  
CERTIFICATION DEPARTMENT

wz. Zastępca Kierownika  
mgr inż. Ewa Sobór



DIRECTOR of CNBOP-PIB

inż. dr inż. Dariusz Wróblewski

Józefów, 18 March 2016

*This document was originally translated from Polish to English on 18 March 2016.  
In case of conflict between the Polish Certificate of Conformity and this translation, the Polish document shall be binding.*

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## No. 6/2016

Autonomous fire extinguishing products with thermo-activated micro-capsule extinguishing agent  
type ACTOK PyroCord type M

Technical data identifying the product:

Type of product	M
Dimensions (section thickness)	5,0±0,5 mm
Linear mass	27±1 g/m
Scope of use	extinguishing of electrical equipment in limited volumes
Groups of fires (according to EN 2)	A and B
Product construction	cord in braid
Activation temperature	150±10 [°C]
Maximum time to the disappearance of flame combustion	300 s
Declared time without burn-back (confirmed by tests)	900 s
Maximum volume protected by 1 meter of product (for devices with degree of protection IP 20)	0,057±0,005 m <sup>3</sup>
Maximum permissible volume protected by product (for devices with degree of protection IP 20)	2,0±0,1 m <sup>3</sup>
Range of operating temperatures	-60°C to +80°C
REACH classification of extinguishing substances	2171; CAS: 677-69-0, EINECS: 211-634-3 227ea+2171i, CAS: 677-69-0, EINECS: 211-634-3, CAS: 431-89-0, EINECS: 207-079-2
Declared minimum period of product suitability for use	60 months

In conformity assessment certification system type N1 was applied with the following elements according to EN ISO/IEC 17067:2013:

1. Selection (normative document, sampling);
2. Determination of characteristics by product testing and assessment of production conditions;
3. Review of obtained evidence of conformity;
4. Decision on certification;
5. Issuing voluntary certificate of conformity, granting right for use;
6. Surveillance by:
  - assessment of production process,
  - review and analysis of information about client complaints submitted to the manufacturer and assessment of undertaken corrective and preventive actions.

### ADDITIONAL TERMS AND NOTES

Local regulations concerning extinguishing substances used shall be followed during application, operation and disposal of the product.

During the validity period of the voluntary certificate of conformity the Applicant is obligated to mark the product with CNBOP-PIB abbreviation and the number of this certificate.

MANAGER of  
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wz. Zastępca Kierownika  
mgr inż. Ewa Sobór



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