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SGS

ORIGINAL

September 07th, 2005

INSPECTION REPORT

Ref: 03/INEM/051-7

IN PURSUANCE OF AN ORDER RECEIVED FROM UNIPOS OOD, REQUESTING US TO CARRY OUT THE INSPECTION WITHIN THE SUBJECT AND SCOPE DESCRIBED AS FOLLOWS:

1. SUBJECT OF THE INSPECTION

Combined Fire detectors type FD xx60, presented at "Plemed" EOOD Test Laboratory in Pleven/Bulgaria.

2. SCOPE OF THE INSPECTION

As per our offer Ref. No № 0472/16.05.2005:

- Identification of Combined Fire detectors type FD xx60, as described herein above, by visual inspection and presented technical documentation and data (manufacturer, type, serial numbers);
- Witness test of Combined Fire detectors type FD xx60, for compliance with the requirements of standards BDS EN 54-5:2001 – Fire detection and fire alarm systems. Heat Detectors – Point Detectors and of BDS EN 54-7:2001 Fire detection and fire alarm systems Part 7: Smoke detectors – Point detectors using scattered light, transmitted light or ionization.

3. RESULTS OF THE INSPECTION

The test of Combined Fire detectors type FD xx60 was performed from July 08th to July 25th, 2005 at "Plemed" EOOD Test Laboratory in Pleven, No 114, "Grenaderska" Street, Bulgaria.

The tests were performed by Mr. Stanoev, Mr. Chorbadzhiev, from Test Laboratory and Mr. Angelov, from UNIPOS OOD, observed by Mr. Ganov, approved by Mr. Borissov representative of SGS Bulgaria Ltd.

Combined Fire detectors type FD xx60, presented for inspection, were identified as Addressable Combined Optical smoke fire detector type 7130 and type FD7160 and Conventional Combined Optical smoke fire detector type FD8060. The serial numbers of the goods are listed below:

Fire detector	Addressable Optical smoke fire detector type FD 7160	Conventional Optical smoke fire detector type FD 8060
Serial Numbers	280203141	170505061
	280203142	170505062
	280203143	170505063
	280203144	170505064
	280203145	170505065
	280203146	170505066
	280203147	170505067
	280203148	170505068
	280203149	170505069
	280203150	170505070
	280203151	170505071
	280203152	170505072
	280203153	170505073
	280203154	170505074
	280203155	170505075
	280203156	170505076
	280203157	170505077
	280203158	170505078
	280203159	170505079
	280203160	170505080





SGS representative witnesses the test of Combined Fire detectors type FD xx60, with the under noted details, stated to be representative sample of production, for compliance with the requirements of standards BDS EN 54-5:2001 – Fire detection and fire alarm systems. Heat

Detectors – Point Detectors and of BDS EN 54-7:2001 Fire detection and fire alarm systems Part 7: Smoke detectors – Point detectors using scattered light, transmitted light or ionization.

Visual inspection for compliance with drawings was performed.

The following apparatus were used during the test:

- Smoke tunnel ST 2003, HO 03 17005, inventory No №027, certificate No 011/18.05/2005, Plemed Ltd as per EN 54-7;
- Heat Tunnel HT 2001, HO 01 17002, inventory No 016, certificate No 012/18.05/2005 "Plemed" LTD as per EN 54-5;
- Anemometer – Thermometer Unitest, serial number HE 0122 TA, certificate No B195/09.12.2004 Laboratory complex "INTERLAB" – Sofia;
- Digital Multimeter MY 68, serial number 05071939, certificate No LKSIEV-217/26.11.2004 State Agency in Standardization and Metrology (SASM), Measures and Measuring Equipment General Directorate;
- Thermometer Hg, inventory No 041, certificate No B196/09.12.2004 Laboratory complex "INTERLAB" – Sofia;
- Regulated rectifier STATRON TYP 3205, inventory No 4478;
- Humidity chamber, HO 01-17001, inventory No 015, certificate No 001 / 16.05.2005 Plemed Ltd.;
- Cold chamber, HO 03-17006, inventory No 028, certificate No 004 / 17.05.2005 Plemed Ltd.;
- Technical Appliance for side-impact test TA 03-17007, inventory No 029, certificate No: 010/18.05.2005 "Plemed Ltd. As per EN 54-5
- Slide Callipers INOX, inventory No 013;
- Scales E 5500 S, serial number 36080001;
- Fire Control Panel FS 7002, inventory No 002/2005 – used only for the tests of FD 7160.
- Fire Control Panel FS 5200, inventory No 002/2005 – used only for the tests of FD 8060.

The following parts of the standard were followed:

STANDARD	DESCRIPTION	PART
BDS EN 54-5:2001	Fire detection and fire alarm systems	Part 5: Heat Detectors – Point Detectors.
BDS EN 54-7:2001	Fire detection and fire alarm systems	Part 7: Smoke detectors – Point detectors using scattered light, transmitted light or ionization.
IEC 60068-2-1:1990 / A1:1993 / A2:1994	Environmental testing	Part 2: Tests – Tests Ab: Cold
IEC 60068-2-30:1980 / A1:1985	Environmental testing	Tests Db, Damp Heat
BDS EN 60529:2000	Degree of protection	





The protocols No 08/2005-07-26 and No 04/2005-07-26, representing the results of the test of Combined Fire detectors type FD xx60, have been endorsed by the above mentioned representatives of UNIPOS OOD, Test Laboratory and SGS Bulgaria Ltd. and become part of this report.

The results of the testing having been found satisfactory for the Combined Fire detectors type FD xx60, as stated above, insofar as tested at this time, complies with the requirements of standards BDS EN 54-5:2001 – Fire detection and fire alarm systems. Heat Detectors – Point Detectors and of BDS EN 54-7:2001 Fire detection and fire alarm systems Part 7: Smoke detectors – Point detectors using scattered light, transmitted light or ionization.

The findings of this Report are limited to the place and date of inspection.



SGS BULGARIA LTD.

Enclosure: Photo report
Protocol No 04/2005-07-26
Protocol No 08/2005-07-26

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