JSC "IREMAS"
FIL. "LETENERGA"
Jonalaukio v., Jonava district 55296
Tel. 56836, 56027
Permit Nr. E-0389
Testing device certificate Nr. E-18-01-466

UŽDAROJI AKCINĖ BENDROVĖ "IREMAS" FILIALAS "LETENERGA"
PROTOKOLAMS
JONAVA

REPORT
October 14th, 2004 No. 1103-04
CONFIRM:
Saulis Eitmiavičius. Deputy Director
(seal) (signature)
October 14th, 2004

Portable Fire Extinguisher Testing with a heightened Voltage of 50 Hz

Client: JSC "MERSETA" Ltd.

Testing conducted according to the LST EN 3-2: 1996 (dielectric testing for the portable water extinguisher).

Equipment ant measuring means used: High voltage testing device AĮBĮ -1, No.0,1 up to –50 kV voltage; Chronometer Z3 PL-No.734 153 mod. (measuring range 0,01-20s.)

Device tested: extinguishing spray "REINOLD MAX"

Filling 750 gr.
Extinguishing foam AFFF
Water
Nitrogen

Testing conditions:

Metal plate, measuring 1x1 m. hanged down vertically (by means of dielectric rope) at the distance or I'm form the ground with no objects within I'm from it. Testing voltage of 35 kV is supplied to the metal plate; the extinguisher is positioned in front of it on a metal pad, grounded through the discharge current measuring circuit of the testing device. The extinguisher is all wrapped into the aluminum foil leaving only nozzle opening. Extinguisher nozzle is directed to the middle of the plate. The extinguisher is activated by means of the dielectric stick up to 110 kV. The test is conduced 3 times. Tests were conducted in the high voltage testing laboratory of the JSC "IREMAS" fil."LETENERGA" Ltd.

Testing results:

Test No.	Supplied 50 Hz voltage, kV	Discharge current, mA	Test durations, s
1.	35	0,009	5,65
2.	35	0,008	5,25
3.	35	0,008	5,65

Conclusions: **The extinguisher can be used to extinguish fires involving electric equipment of up to 1000 V, as discharge current does not exceed this permitted limit of 0,5 mA.**

Test conducted by: E. Šomanskis
(signature)
P. Meškauskas
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