

TEST REPORT**No. EWM.4032.149.2026.R1.EN**

Test object	Fire extinguisher type MBK14-250PA-WLD
Manufacturer	MOBIAC S.A. Akrotiri Chania Crete P.C.73100
Tests ordered by	MOBIAC S.A., order from 24.08.2026
Type of tests	- Test of electrical properties for a flashover in a spray, extinguishing cloud - Leakage current measurement in a spray, extinguishing cloud - Extinguisher powder test
Tests procedures	WT 1/2020
Date of tests	12.08.2026
Place of tests	High Power Department
Tests results	Presented in point 4

Authorizing**Instytut
Energetyki**Tomasz Tarach
2026.09.09
07:41:52
+02'00'**Deputy Head of Department****Instytut
Energetyki**Przemysław
Łukasz Berowski
2026.09.09
09:23:48 +02'00'

Warsaw

The date of issue of the test report is the date of submission of the qualified electronic signature by the plant manager or his deputy.

The test report comprises 13 pages, 6 tables, 3 figures and 1 photograph.

Tests results presented in the test report refers only to the tested object.

Publishing or reproducing of this report in other version than exact and complete copy without permission in writing from the laboratory is forbidden.

4 Evaluation of test results

Tab 5. Results of the tests

Number	Type of study	Result
1.	Test of electrical properties for a flashover in a spray, extinguishing cloud	Positive
2.	Leakage current measurement in a spray, extinguishing cloud	Positive
3.	Extinguishing powder test	Positive

4.1 Conclusions

Based on the carried out tests, it is concluded that: fire extinguisher type MBK14-250PA-WLD can be used to extinguish fires of electrical equipment with the highest operating voltage up to and including 400 kV, which are energized. When extinguishing, it is absolutely necessary to keep the distance between fire extinguisher nozzle and extinguished object according to the following table:

Tab 6. Allowed safe distances

Rated device voltage	Minimum safe distance between fire extinguisher nozzle and extinguished object
From 1 to 6 kV inclusive	1,12 m
over 6 to 10 kV inclusive	1,15 m
over 10 to 15 kV inclusive	1,16 m
over 15 to 20 kV inclusive	1,22 m
over 20 to 30 kV inclusive	1,32 m
over 30 to 110 kV inclusive	2,00 m
over 110 to 220 kV inclusive	3,00 m
over 220 to 400 kV inclusive	4,00 m

These distances should be understood in such a way that no part of the extinguishing person's body or any part of the extinguishing device (especially the extinguisher nozzle, etc.) may be closer to the extinguished object than the above-mentioned. The distances have been determined on the basis of the Regulation of the Polish Minister of Energy of August 28, 2019 - on occupational health and safety at energy equipment and installations, Journal of Laws of the Republic of Poland of April 23, 2013, item 492.