

Client : Reutech Solutions
628 James Crescent, Halfway House
Apparatus : Fire Styker
Model : E1 by ESP

Ratings assigned by the manufacturer

Rated voltage : 100 kV

Dielectric tests have been carried out in accordance with the client's instructions.

Test procedures and test parameters were based on:

SANS 1322:2004 *Portable, non-refillable fire extinguishers (general purpose type)*

Clause 8.9: Electrical conductivity test

Date of tests : 08-December-2010

Conclusion : The results are shown in section 5 of this report.

This report consists of the following pages:

Report forms 3
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Olifantsfontein, 10 December 2010

1 Test method

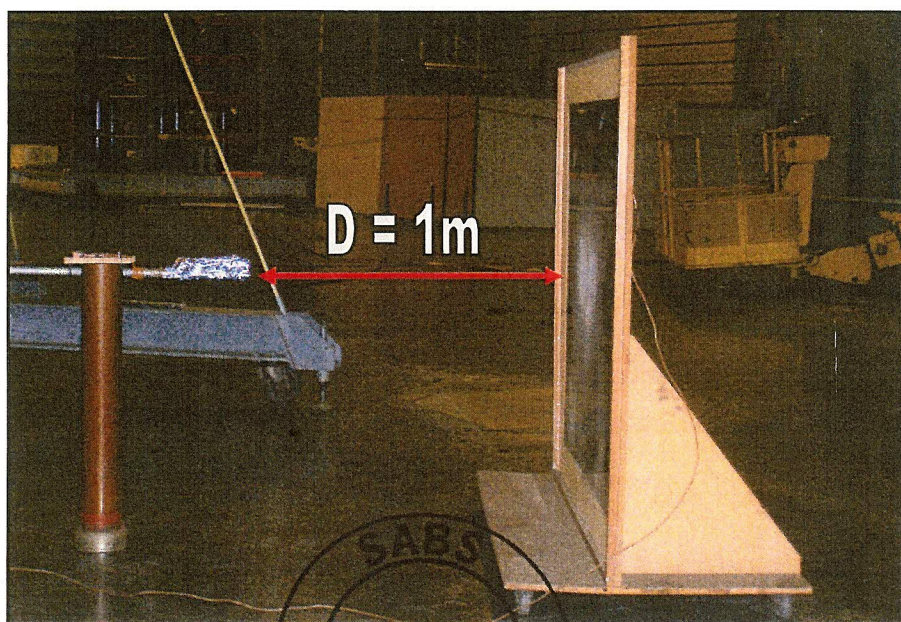
The tests were conducted in accordance with the clients requirements.

The power frequency test was conducted inside indoor laboratory. The sample was connected to the appropriate test equipment. The distance between sample and target plate was set at 1m, target plate was connected to earth.

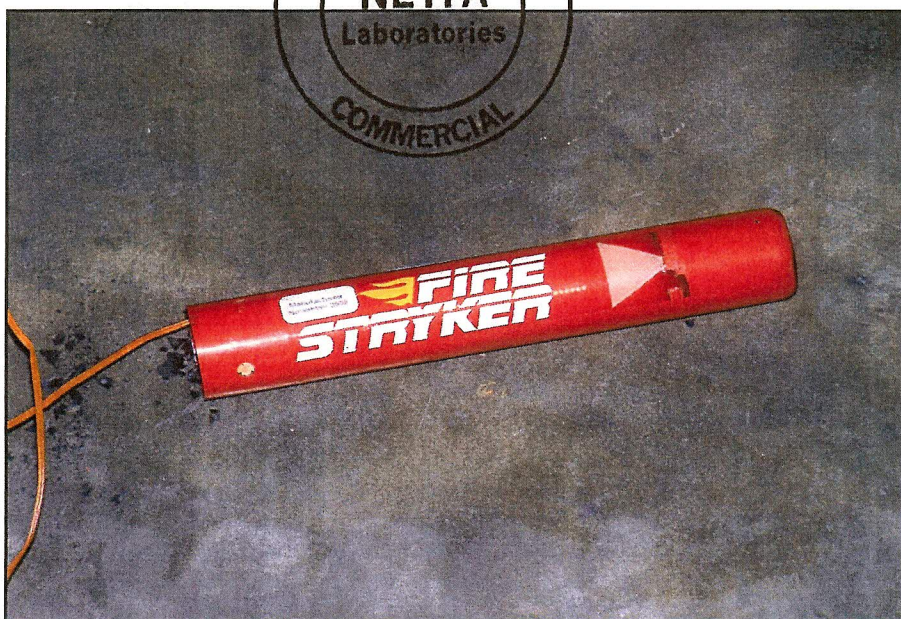
AC voltage of value 100kV was applied between mouth of sample and target plate. The leakage current across the air gap and target plate was measured by using multimeter when the sample is operated. A switch was used to trigger the sample when connected into the high voltage circuit.

2 Sample description

The sample was wrap with metal foil mouted on insulated stand is shown in photograph 1 below.



a) Test set up with sample wrap with metal foil.



b) Test sample

Photograph 1 Test set up and Fire Stryker

