ABSTRACT

METHOD OF QUANTITATIVE ANALYSIS OF POLYOXADIAZOLE FIBRES IN A MATERIAL

A method of quantitative analysis of polyoxadiazole fibres in a material, the method comprising the steps of:

(a) immersing a sample of the material in a solvent to obtain a mixture, the solvent being unable to dissolve polyoxadiazole fibres and selected to dissolve other materials in the sample;

(b) filtering the mixture to obtain a residue;

(c) washing the residue;

(d) drying the washed residue; and

(e) performing thermogravimetric analysis in air on the dried residue to determine quantity by weight of any polyoxadiazole fibres present in the sample.

FIG. 1