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SYNOPSIS OF INDIAN STANDARDS

Number and Title of Indian Standard
IS 17333 (Part 1) : 2020 / ISO 13629-1 : 2012, Textiles – Determination of antifungal activity of textile products — Part 1 : Luminescence method [Doc: TXD 36 (14483)]
a) Scope:
<p>This part of standard specifies a test method for the quantitative determination of the antifungal activity by measuring the intensity of luminescence produced by an enzymatic reaction [adenosine triphosphate (ATP) method].</p> <p>This part of standard is applicable to various kinds of textile products, such as fibres, yarns, fabrics, clothing, bedclothes, home furnishings and other miscellaneous goods. Based on the intended application and on the environment in which the textile product is to be used, the user can select the most suitable evaluation method from the following methods before enumeration by the ATP method:</p> <ul style="list-style-type: none">a) absorption method (an evaluation method in which test fungi suspension is inoculated directly onto the specimens);b) transfer method (an evaluation method in which test fungi are placed on an agar plate and printed onto the specimens).
b) Salient features of content:
<p>A test specimen and control specimen are inoculated with a spore suspension of a reference fungus and incubated at 25 °C for 42 h. In this part of standard, fungal growth or antifungal activity is determined quantitatively, by comparison with the result of a control specimen, by measuring the luminescence intensity of intracellular ATP.</p>
c) Types/grades/classes, if covered in the standard:
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d) Disclaimer (to be automatically provided by the program /software)-
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