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Sterile Linen Thread in Distributor

[General Notices](#)

(*Linen Thread, Sterile, in Distributor for Veterinary Use, Ph. Eur. monograph 0608*)

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DEFINITION

Sterile linen thread in distributor for veterinary use consists of the pericyclic fibres of the stem of *Linum usitatissimum* L. The elementary fibres, 2.5-5 cm long, are assembled in bundles 30-80 cm long and spun into continuous lengths of suitable diameter. The thread may be creamy-white or may be coloured with colouring matter authorised by the competent authority. The thread is then sterilised.

IDENTIFICATION

- A. Dissect the end of a thread, using a needle or fine tweezers, to isolate a few individual fibres. Examined under a microscope, the fibres are seen to be 12-31 µm wide and, along the greater part of their length, have thick walls, sometimes marked with fine longitudinal striations, and a narrow lumen. The fibres gradually narrow to a long, fine point. Sometimes there are unilateral swellings with transverse lines.
- B. Infrared absorption spectrophotometry ([2.2.24](#)). Examine by attenuated total reflection (ATR).

Absorption maxima and intensities 3326 ± 10 cm⁻¹ (medium); 2911 ± 12 cm⁻¹ (medium); 1645 ± 10 cm⁻¹ (weak); 1426 ± 5 cm⁻¹ (medium); 1315 ± 3 cm⁻¹ (medium); 1154 ± 7 cm⁻¹ (medium); 1104 ± 5 cm⁻¹ (medium); 1050 ± 5 cm⁻¹ (strong); 1026 ± 7 cm⁻¹ (strong).

TESTS

It complies with the tests prescribed in the monograph [Strands, sterile non-absorbable, in distributor for veterinary use \(0605\)](#).

If stored in a dry state, expose to an atmosphere with a relative humidity of 65 ± 5 per cent at 20 ± 2 °C for 4 h immediately before measuring the diameter and for the determination of minimum breaking load immerse in [water R](#) at room temperature for 30 min immediately before carrying out the test.

STORAGE

See the monograph [Strands, sterile non-absorbable, in distributor for veterinary use \(0605\)](#).

LABELLING

See the monograph [Strands, sterile non-absorbable, in distributor for veterinary use \(0605\)](#).

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