Australian/New Zealand Standard™

Wool—Fleece testing and measurement

Method 3: Measurement of mean fibre diameter using Airflow and Sonic A instruments

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TX/12, Wool to supersede AS/NZS 4492.3(Int):1997.

This test method covers the fineness measurement of cleaned samples of greasy fleece wool by Airflow and Sonic A instruments.

The method is based on methods for testing core samples in AS/NZS 1133, *Wool—Determination by the Airflow Method of the mean fibre diameter of core samples of raw wool* and IWTO(E)-7-73(E), *Method for sonic fineness testing of raw wool*.

The measurements should be regarded as relative, not absolute values, and they should only be used for within-flock comparisons.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

METHOD

1 SCOPE This Standard sets out a procedure for obtaining the mean fibre diameter of a sample of fleece wool. Included are requirements for drawing subsamples and preparing test specimens.

2 OBJECTIVE The objective of this Standard is to provide the wool industry with methods of determining mean fibre diameter by Airflow and Sonic A instruments for the purposes of ranking sheep or classing fleeces according to mean fibre diameter.

3 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS
2001 Methods of test for textiles
2001.1 Part 1: Conditioning procedures

AS/NZS
1133 Wool—Determination by the Airflow Method of the mean fibre diameter of core samples of raw wool

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