

Optical Fiber Diameter Analyser (OFDA100) Micron Test Report

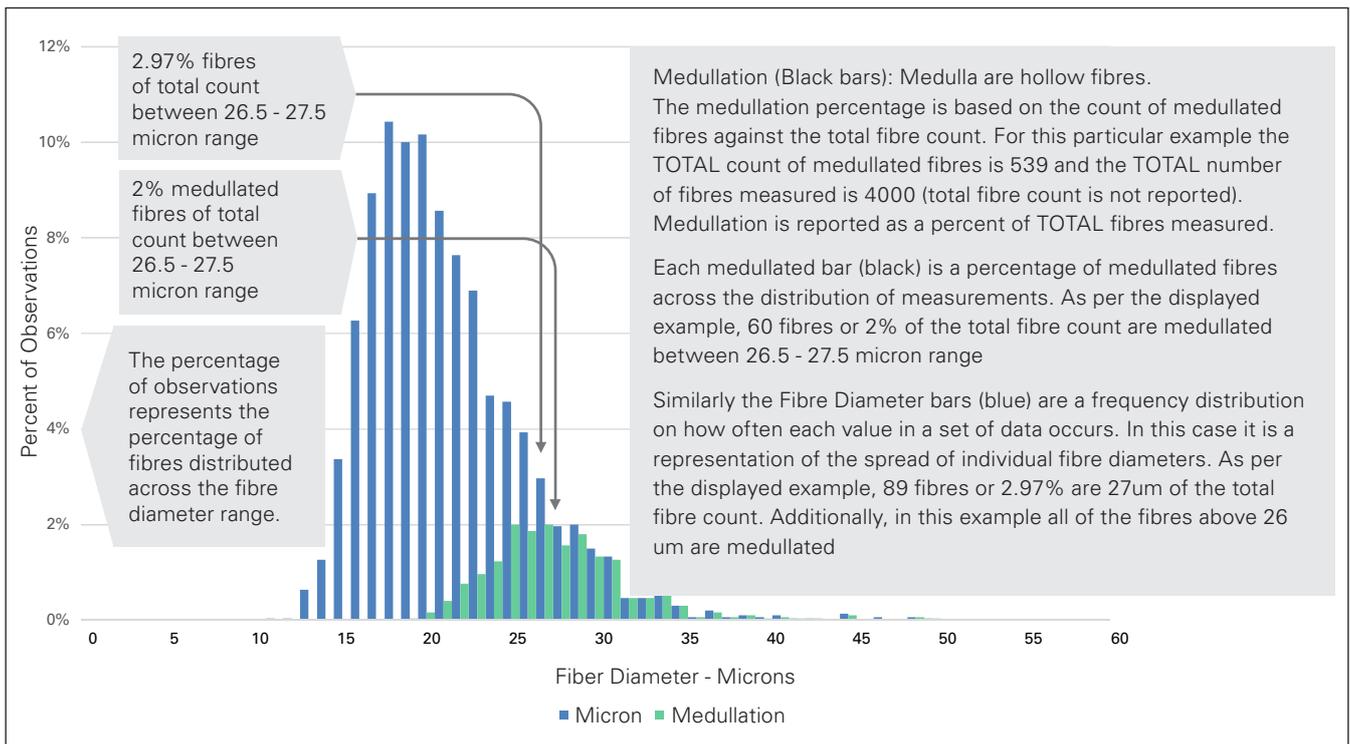
Date: 7-Oct-20
Shear ID:
Test No: 1

Animal and Sample Description

Animal Name:	Date of Birth (Age):
Registry #:	Sample Location: GRID
Breed:	Sample Date:
Sex:	Previous Shear Date:
Color:	Total Fleece Wt. (lbs.):

Laboratory Data

Mean Fiber Diameter:	21.3 microns	Mean Staple Length:	101 mm
Standard Deviation:	4.7 microns	Length Standard Deviation:	0.9 mm
Coefficient of Variation:	22.1 %	Length Coefficient of Variation:	0.9 %
Spin Fineness:	20.9 microns	Mean Curvature:	42.6 deg/mm
Fibers Greater Than 30 microns:	4.1 %	SD Curvature:	22.8 deg/mm
Comfort Factor:	95.9 %	Medullated Fibers:	18.0 %



Test Performed According to Method AS/NZS 4492.5:2000

Jeremy Wear
Business Manager

Ioasa Kosena
Authorised Signatory

SGS General Terms and Conditions

The validity of this document may be confirmed by contacting the address shown below
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RESULT DEFINITIONS

Mean Fiber Diameter	Micron is the average fibre diameter (μm) of the tested sample
Standard Deviation:	Standard Deviation (SD) is a measure (in microns) of the dispersion of fibre diameters either side of the average fibre diameter, where 66% of the fibre diameters lie
Coefficient of Variation:	Coefficient of Variation of Diameter (CVD) is the standard deviation expressed as a percentage of average fibre diameter
Spin Fineness:	Spin Fineness (SF), is micron and CVD expressed as a single value in microns, to represent spinning quality
Fibers Greater Than 30 microns:	Is the percentage of fibres greater than 30 μm
Comfort Factor:	Comfort Factor (CF) is the percentage of fibres less than 30 μm
Mean Staple Length:	The Staple Length (SL) of the tested sample expressed in millimeters (mm)
Length Standard Deviation:	Standard Deviation (SD) is a measure (mm) of the dispersion of staple lengths either side of the average staple length
Length Coefficient of Variation:	Coefficient of Variation of Length (CVL) is the standard deviation expressed as a percentage of average staple lengths
Mean Curve:	Fibre Curvature (CRV) is the mean curvature of all fibres in a staple. It is related to crimp frequency, and expressed in degrees per millimeter (Dg/mm)
SD Curvature:	The Standard Deviation of the fibre Curvature expressed in degrees (Dg/mm)
Medullated Fibers:	Percentage of medullated fibres against total fibre count