Optical Fiber Diameter Analyser (OFDA100)
Micron Test Report

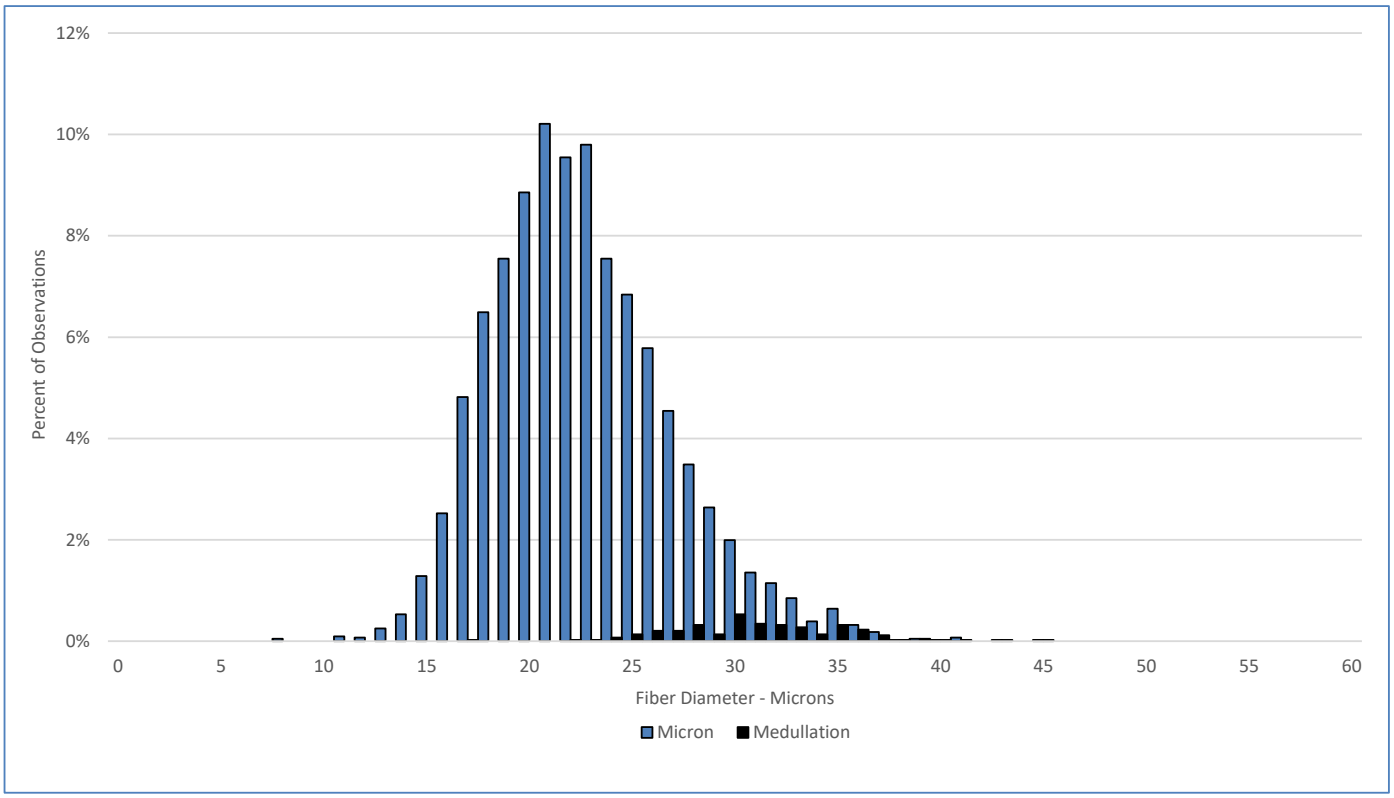
Colusa Riverside Alpacas		Date:	23-Jun-26
4360 Indian Creek Rd, Lincoln		Shear ID:	280075
CA 95648, US		Test No:	626964

Animal and Sample Description

Animal Name:	River's Cashew	Date of Birth (Age):	24-Jan-23
Registry #:	36188116	Sample Location:	GRID
Breed:	Huacaya	Sample Date:	13-Apr-26
Sex:	Female	Previous Shear Date:	24-Apr-25
Colour:	100 - White	Total Fleece Wt (lbs):	13.8

Laboratory Data

Mean Fiber Diameter:	22.7 microns	Mean Staple Length:	99 mm
Standard Deviation:	4.3 microns	Length Standard Deviation:	3.0 mm
Coefficient of Variation:	19.1 %	Length Coefficient of Variation:	3.0 %
Spin Fineness:	21.7 microns	Mean Curvature:	52.0 deg/mm
Fibers Greater Than 30 microns:	5.1 %	SD Curvature:	36.1 deg/mm
Comfort Factor:	94.9 %	Medullated Fibers:	3.6 %



The OFDA100 base cut method minimizes the effects of environmental variability and provides more accurate comparisons of genetic capability. Average staple length is determined from multiple staples measured using a calibrated electronic length instrument, and is important for managing yarn processing outcomes.

Test Performed According to Method AS/NZS 4492.5:2000

Jeremy Wear
Business Manager

Ioasa Kosena
Authorised Signatory

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