Optical Fiber Diameter Analyser (OFDA100)
Micron Test Report

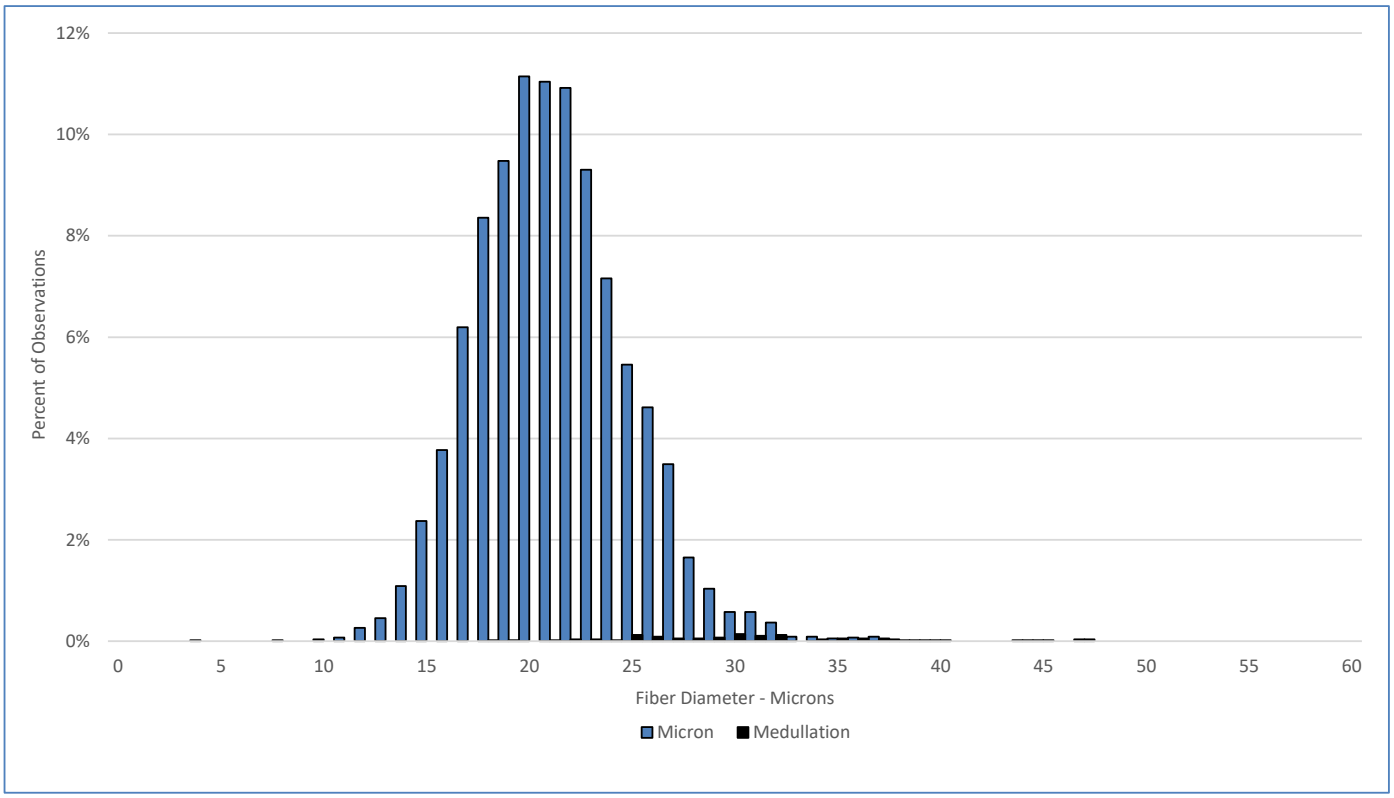
Spirit Falls Alpaca Ranch		Date:	21-Aug-26
72 Mcnichols Road, Cook		Shear ID:	283612
WA 98605, US		Test No:	628241

Animal and Sample Description

Animal Name:	AMBER AUTUMN Cherished Choice	Date of Birth (Age):	15-May-22
Registry #:	36050109	Sample Location:	GRID
Breed:	Huacaya	Sample Date:	18-Apr-26
Sex:	Female	Previous Shear Date:	22-May-25
Colour:	White	Total Fleece Wt (lbs):	7.2

Laboratory Data

Mean Fiber Diameter:	21.3 microns	Mean Staple Length:	92 mm
Standard Deviation:	3.7 microns	Length Standard Deviation:	3.4 mm
Coefficient of Variation:	17.5 %	Length Coefficient of Variation:	3.7 %
Spin Fineness:	20.2 microns	Mean Curvature:	51.8 deg/mm
Fibers Greater Than 30 microns:	1.5 %	SD Curvature:	37.1 deg/mm
Comfort Factor:	98.5 %	Medullated Fibers:	1.2 %



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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