Optical Fiber Diameter Analyser (OFDA100)
Micron Test Report

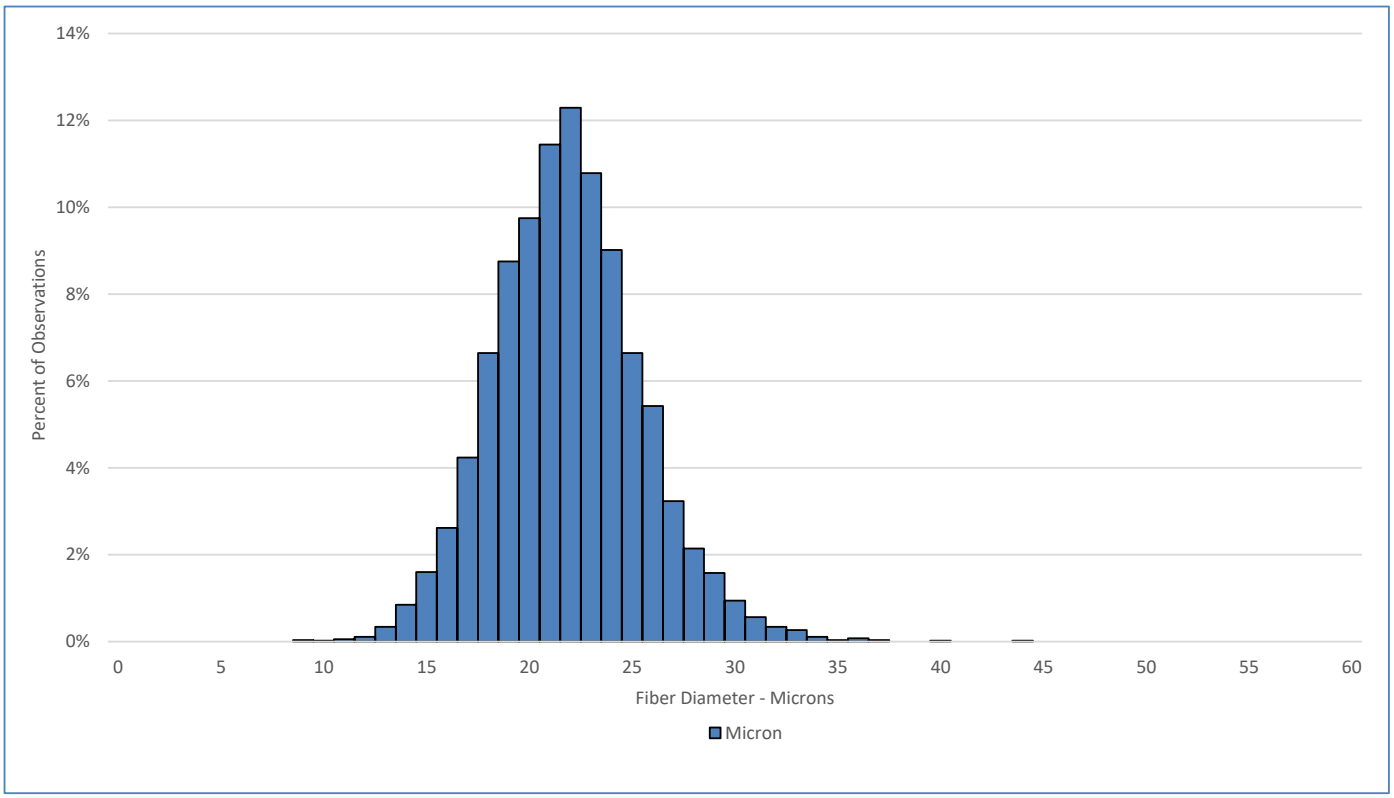
Spirit Falls Alpaca Ranch		Date:	21-Aug-26
72 Mcnichols Road, Cook		Shear ID:	287394
WA 98605, US		Test No:	628278

Animal and Sample Description

Animal Name:	HERITAGE LOVERS ALMOST HEAVEN	Date of Birth (Age):	21-Jun-23
Registry #:	36255931	Sample Location:	GRID
Breed:	Huacaya	Sample Date:	15-May-26
Sex:	Female	Previous Shear Date:	15-May-25
Colour:	Dark Fawn	Total Fleece Wt (lbs):	

Laboratory Data

Mean Fiber Diameter:	21.9 microns	Mean Staple Length:	113 mm
Standard Deviation:	3.6 microns	Length Standard Deviation:	3.4 mm
Coefficient of Variation:	16.4 %	Length Coefficient of Variation:	3.0 %
Spin Fineness:	20.5 microns	Mean Curvature:	49.4 deg/mm
Fibers Greater Than 30 microns:	1.5 %	SD Curvature:	36.6 deg/mm
Comfort Factor:	98.5 %		



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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