Optical Fiber Diameter Analyser (OFDA100)
Micron Test Report

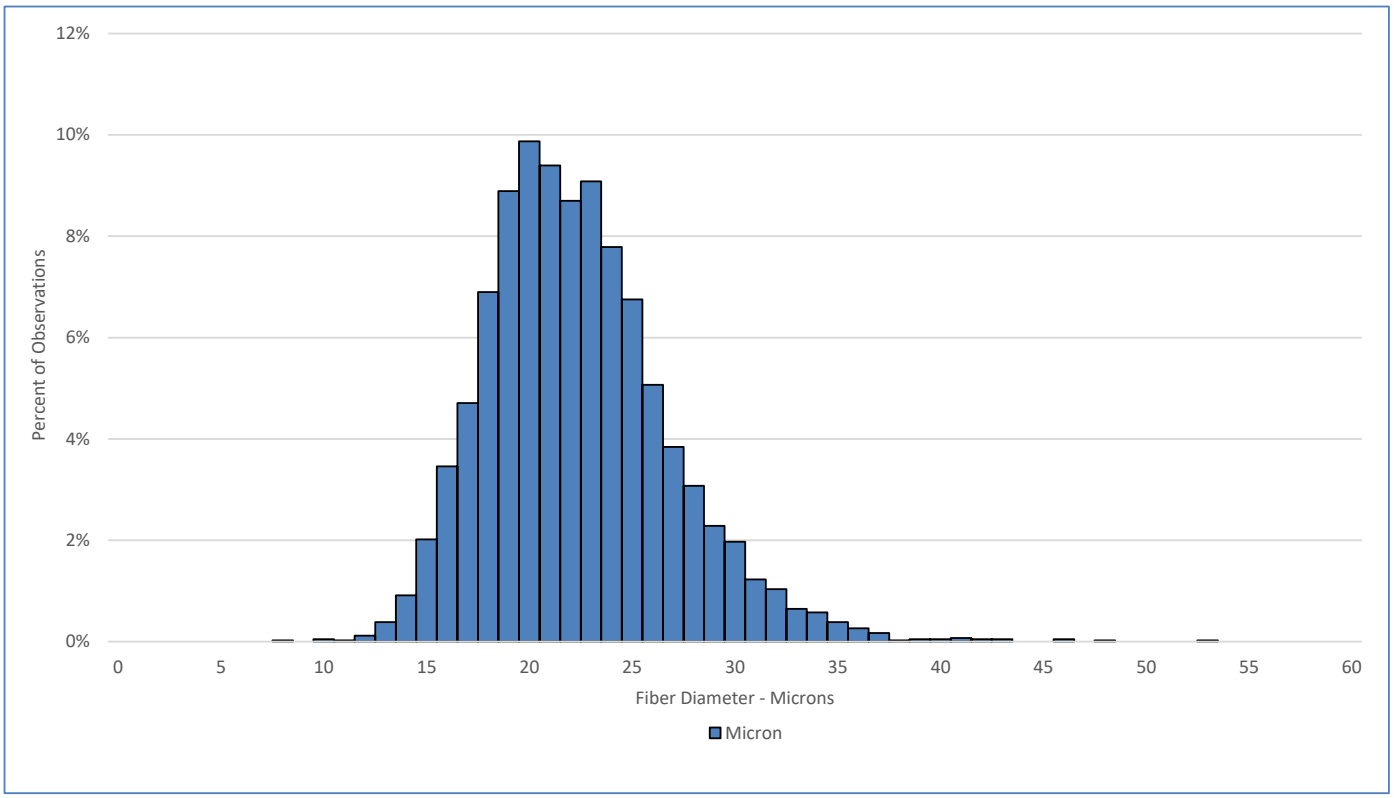
Spirit Falls Alpaca Ranch		Date:	21-Aug-26
72 Mcnichols Road, Cook		Shear ID:	283615
WA 98605, US		Test No:	628244

Animal and Sample Description

Animal Name:	BLACK HILLS Sarai	Date of Birth (Age):	9-May-21
Registry #:	36147137	Sample Location:	GRID
Breed:	Huacaya	Sample Date:	12-May-26
Sex:	Female	Previous Shear Date:	12-Apr-25
Colour:	True Black	Total Fleece Wt (lbs):	6.5

Laboratory Data

Mean Fiber Diameter:	22.3 microns	Mean Staple Length:	85 mm
Standard Deviation:	4.5 microns	Length Standard Deviation:	3.9 mm
Coefficient of Variation:	20.0 %	Length Coefficient of Variation:	4.6 %
Spin Fineness:	21.6 microns	Mean Curvature:	48.9 deg/mm
Fibers Greater Than 30 microns:	4.7 %	SD Curvature:	35.7 deg/mm
Comfort Factor:	95.3 %		



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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