Optical Fiber Diameter Analyser (OFDA100)
Micron Test Report

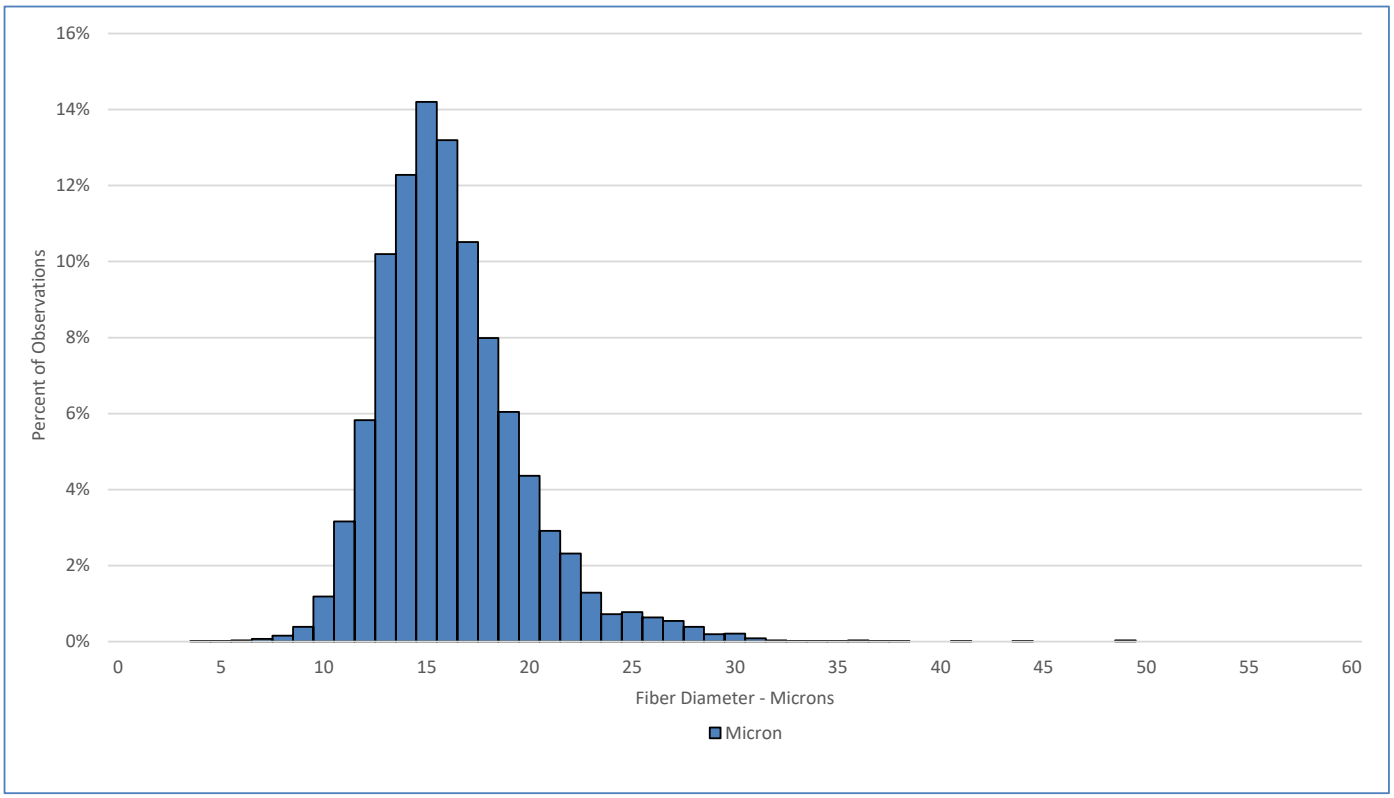
Sunny Alpacas		Date:	11-Sep-26
9200 Spooner Creek Ln, Blaine		Shear ID:	286815
WA 98230, US		Test No:	628699

Animal and Sample Description

Animal Name:	Sunny Magnum Juno	Date of Birth (Age):	6-Aug-25
Registry #:	36342501	Sample Location:	GRID
Breed:	Huacaya	Sample Date:	1-Jun-26
Sex:	Female	Previous Shear Date:	6-Sep-25
Colour:	205 - Dark Fawn	Total Fleece Wt (lbs):	3.8

Laboratory Data

Mean Fiber Diameter:	16.2 microns	Mean Staple Length:	74 mm
Standard Deviation:	3.7 microns	Length Standard Deviation:	5.8 mm
Coefficient of Variation:	23.0 %	Length Coefficient of Variation:	7.9 %
Spin Fineness:	16.1 microns	Mean Curvature:	55.6 deg/mm
Fibers Greater Than 30 microns:	0.3 %	SD Curvature:	37.3 deg/mm
Comfort Factor:	99.7 %		



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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