Optical Fiber Diameter Analyser (OFDA100)
Micron Test Report

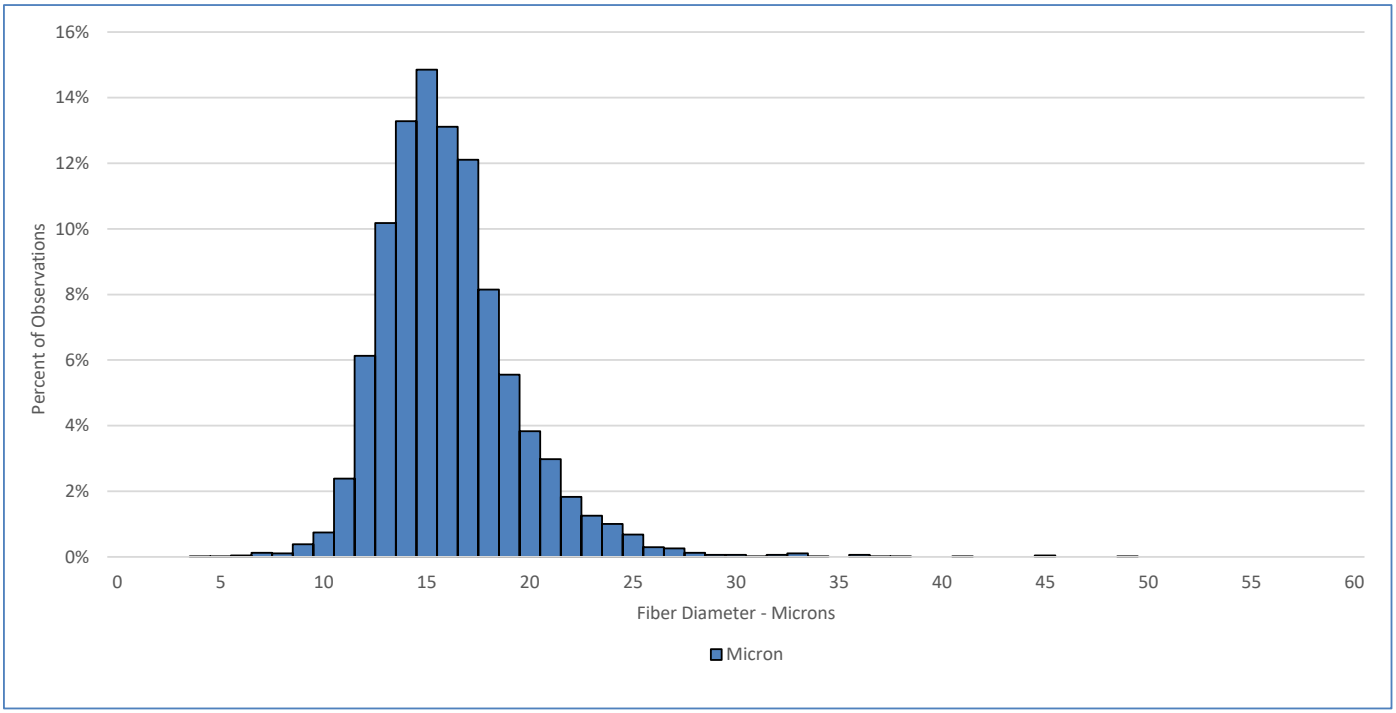
Flying Iron Ranch		Date:	9-Jul-26
4019 County Rd 1, Montrose		Shear ID:	283535
CO 81403, US		Test No:	627302

Animal and Sample Description

Animal Name:	FIR SELENE BY JETSON	Date of Birth (Age):	21-Sep-25
Registry #:	36302109	Sample Location:	GRID
Breed:	Huacaya	Sample Date:	18-May-26
Sex:	Female	Previous Shear Date:	21-Sep-25
Colour:	209 - Light Brown	Total Fleece Wt (lbs):	3.8

Laboratory Data

Mean Fiber Diameter:	16.1 microns	Mean Staple Length:	102 mm
Standard Deviation:	3.4 microns	Length Standard Deviation:	2.6 mm
Coefficient of Variation:	21.0 %	Length Coefficient of Variation:	2.6 %
Spin Fineness:	15.7 microns	Mean Curvature:	48.6 deg/mm
Fibers Greater Than 30 microns:	0.4 %	SD Curvature:	39.4 deg/mm
Comfort Factor:	99.6 %		



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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