Optical Fiber Diameter Analyser (OFDA100)
Micron Test Report

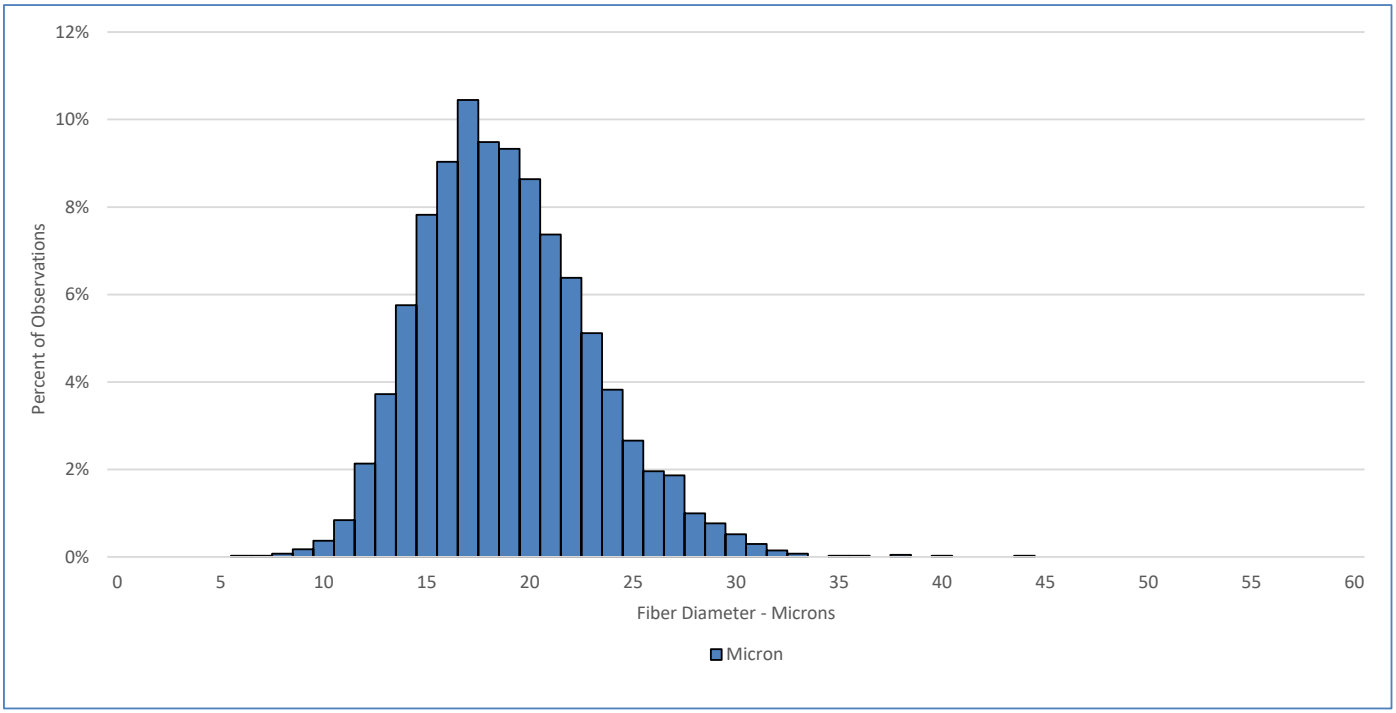
Flying Iron Ranch		Date:	9-Jul-26
4019 County Rd 1, Montrose		Shear ID:	283521
CO 81403, US		Test No:	627288

Animal and Sample Description

Animal Name:	FIR FREYR BY JETSON	Date of Birth (Age):	25-Aug-25
Registry #:	36337651	Sample Location:	GRID
Breed:	Huacaya	Sample Date:	18-May-26
Sex:	Male	Previous Shear Date:	25-Aug-25
Colour:	410 - Dark Brown	Total Fleece Wt (lbs):	4.2

Laboratory Data

Mean Fiber Diameter:	18.9 microns	Mean Staple Length:	96 mm
Standard Deviation:	4.1 microns	Length Standard Deviation:	1.5 mm
Coefficient of Variation:	21.8 %	Length Coefficient of Variation:	1.5 %
Spin Fineness:	18.5 microns	Mean Curvature:	49.8 deg/mm
Fibers Greater Than 30 microns:	0.7 %	SD Curvature:	36.4 deg/mm
Comfort Factor:	99.3 %		



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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