Optical Fiber Diameter Analyser (OFDA100)
Micron Test Report

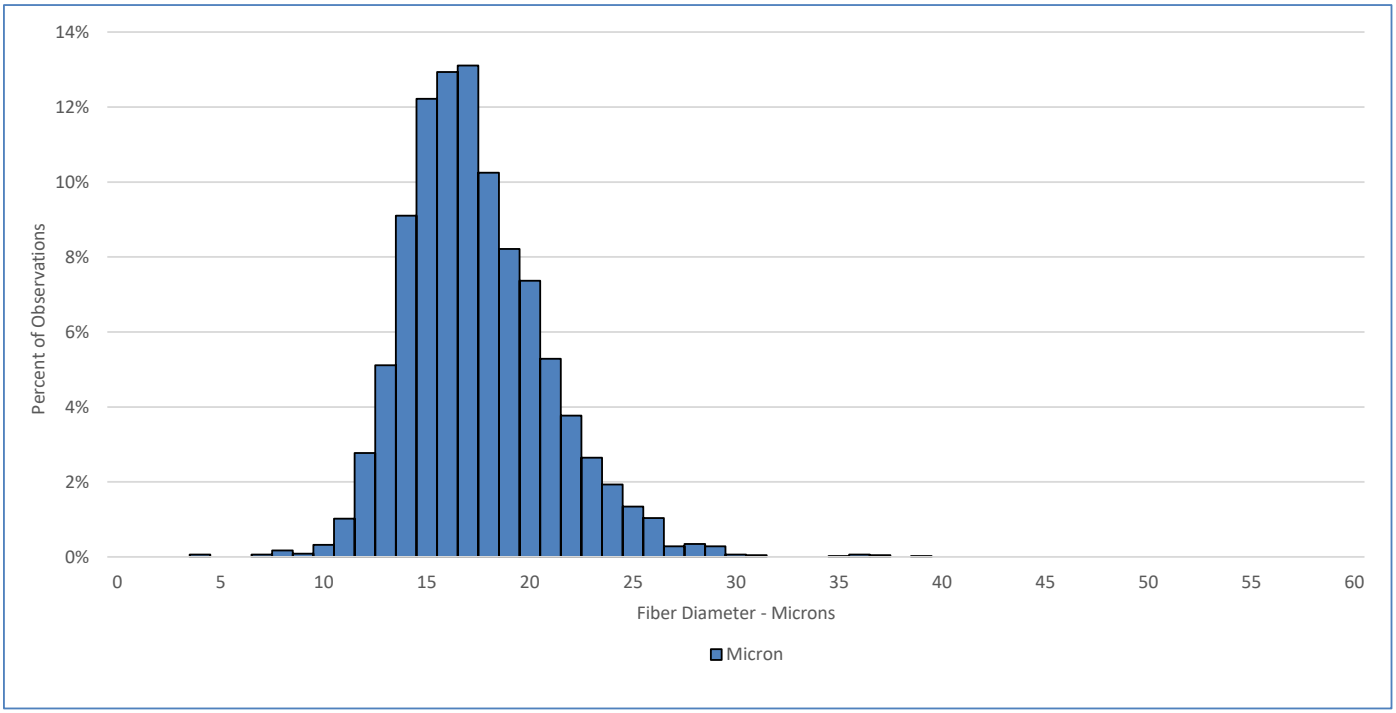
Flying Iron Ranch		Date:	9-Jul-26
4019 County Rd 1, Montrose		Shear ID:	283528
CO 81403, US		Test No:	627295

Animal and Sample Description

Animal Name:	FIR ORION BY JETSON	Date of Birth (Age):	25-Jun-25
Registry #:	36337682	Sample Location:	GRID
Breed:	Huacaya	Sample Date:	18-May-26
Sex:	Male	Previous Shear Date:	25-Jun-25
Colour:	410 - Dark Brown	Total Fleece Wt (lbs):	5.2

Laboratory Data

Mean Fiber Diameter:	17.4 microns	Mean Staple Length:	94 mm
Standard Deviation:	3.5 microns	Length Standard Deviation:	2.4 mm
Coefficient of Variation:	19.9 %	Length Coefficient of Variation:	2.6 %
Spin Fineness:	16.8 microns	Mean Curvature:	53.7 deg/mm
Fibers Greater Than 30 microns:	0.2 %	SD Curvature:	37.5 deg/mm
Comfort Factor:	99.8 %		



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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