Optical Fiber Diameter Analyser (OFDA100)
Micron Test Report

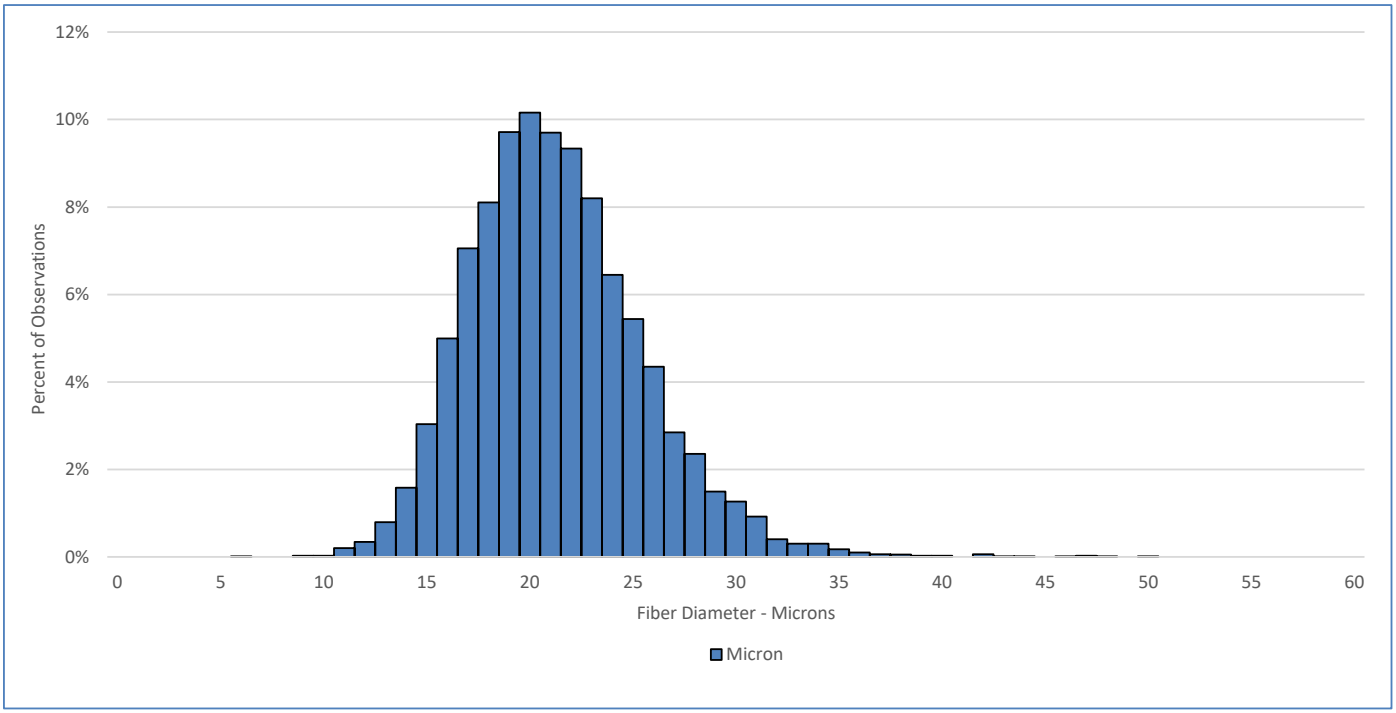
Flying Iron Ranch		Date:	9-Jul-26
4019 County Rd 1, Montrose		Shear ID:	283519
CO 81403, US		Test No:	627286

Animal and Sample Description

Animal Name:	FIR Divine Crossfire	Date of Birth (Age):	28-Jun-22
Registry #:	36191192	Sample Location:	GRID
Breed:	Huacaya	Sample Date:	18-May-26
Sex:	Male	Previous Shear Date:	6-May-25
Colour:	204 - Medium Fawn	Total Fleece Wt (lbs):	7.8

Laboratory Data

Mean Fiber Diameter:	21.3 microns	Mean Staple Length:	91 mm
Standard Deviation:	4.2 microns	Length Standard Deviation:	1.6 mm
Coefficient of Variation:	19.9 %	Length Coefficient of Variation:	1.7 %
Spin Fineness:	20.5 microns	Mean Curvature:	59.3 deg/mm
Fibers Greater Than 30 microns:	2.5 %	SD Curvature:	38.8 deg/mm
Comfort Factor:	97.5 %		



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

SGS General Terms and Conditions
The validity of this document may be confirmed by contacting the address shown below
SGS NZ LTD - 48 Kemp Street, Kilbirnie 6022, Wellington, New Zealand. Tel: 64-4-387 8565 Email: WoolOnline@sgs.com Web: www.wooltesting.sgs.com