Optical Fiber Diameter Analyser (OFDA100)
Micron Test Report

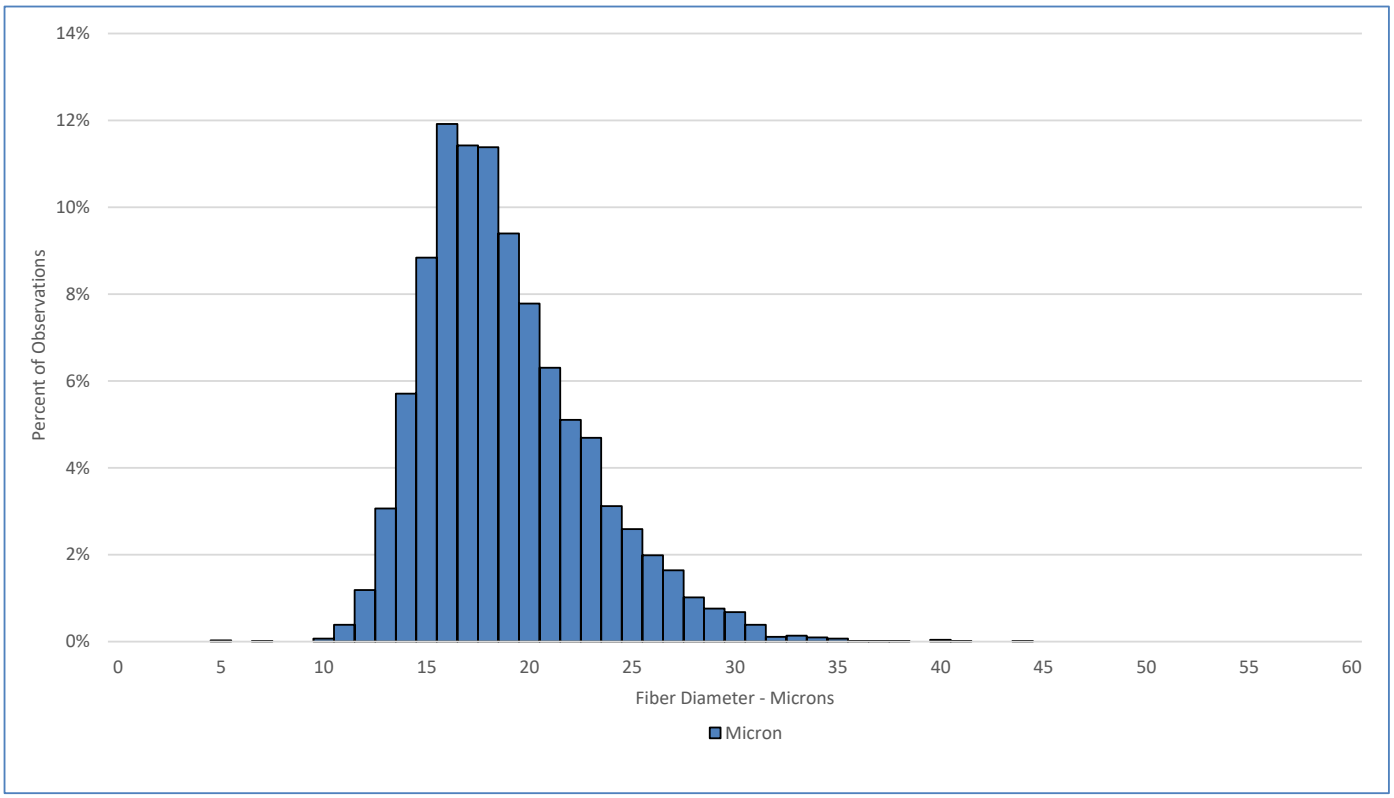
Spirit Falls Alpaca Ranch		Date:	21-Aug-26
72 Mcnichols Road, Cook		Shear ID:	283613
WA 98605, US		Test No:	628242

Animal and Sample Description

Animal Name:	BLACK HILLS Gypsy Magic	Date of Birth (Age):	7-Jul-23
Registry #:	36190065	Sample Location:	GRID
Breed:	Huacaya	Sample Date:	19-May-26
Sex:	Female	Previous Shear Date:	2-May-25
Colour:	Medium Brown	Total Fleece Wt (lbs):	7.2

Laboratory Data

Mean Fiber Diameter:	18.9 microns	Mean Staple Length:	94 mm
Standard Deviation:	4.0 microns	Length Standard Deviation:	1.8 mm
Coefficient of Variation:	21.3 %	Length Coefficient of Variation:	1.9 %
Spin Fineness:	18.4 microns	Mean Curvature:	56.0 deg/mm
Fibers Greater Than 30 microns:	0.9 %	SD Curvature:	37.7 deg/mm
Comfort Factor:	99.1 %		



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